

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

3/04/11

Maria Markos
Assistant District Attorney, Essex County

Dear Ms. Markos,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]

[REDACTED] Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Control Cards with analytical results for sample #'s [REDACTED]
3. Analysis sheets with chemist's hand notations and test results.
4. GC/Mass Spectral analytical data for sample #'s [REDACTED]

GC/MS testing was performed by Annie Dookhan. All other analyses were performed by Kate Corbett. If you have any questions about these materials, please call me at the number below.

Sincerely,

Kate Corbett
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6632

cc: ASD, CBS

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts

Executive Office of Health and Human Services

Department of Public Health

State Laboratory Institute

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

DRUG RECEIPT

45

City or Department: LYNN Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: DET. MARK RICHMOND

Defendant(s) Name (last, first, initial): [REDACTED]

To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight

Lab Number

1	PB BP	(HEROIN)	4.56g	[REDACTED]
2	PB BP	(HEROIN)	2.80g	[REDACTED]
6	BROWN TABLETS		5.42g	[REDACTED]
1	PB BP w/I PB	(HEROIN)	6.45g	[REDACTED]
2	PB BP w/I PB	(HEROIN)	2.94g	[REDACTED]

Received by: _____ Date: 3-12-10

CD

No. [REDACTED]

Date Analyzed: 08-2-10

City: Lynn Police Dept.

Officer: Detective MARK RICHMOND

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 03/12/2010

No. Analyzed:

Gross Wt.: 4.56

Net Weight: 2.39g
Tests: 5/6AC

Prelim: Heroin

Findings:

• 2 A/S
Heroin

No. [REDACTED]

Date Analyzed: 08-02-10

City: Lynn Police Dept.

Officer: Detective MARK RICHMOND

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 2 Cont: pb

Date Rec'd: 03/12/2010

No. Analyzed:

Gross Wt.: 2.80

Net Weight: 0.37g
Tests: 5/6AC

Prelim: Heroin

Findings:
• 2 A/S
Heroin

No. [REDACTED]

Date Analyzed: 08-02-10

City: Lynn Police Dept.

Officer: Detective MARK RICHMOND

Def: [REDACTED]

Amount: 6.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 03/12/2010

No. Analyzed:

Gross Wt.: 5.42

Net Weight: 3.46g
Tests: 7/6AC

Prelim: UNKNOWN

Findings:
• 4/S
negative

Prelim: Heroin

Findings:

Heroin

No. Analyzed:
Net Weight: 0.35g
Tests: 5/6AC

• 2 A/S

No. [REDACTED]
City: Lynn Police Dept.
Officer: Detective MARK RICHMOND
Def:
Amount:
No. Cont: 1 Cont: pb
Date Rec'd: 03/12/2010
Gross Wt.: 6.45

Subst: SUB

No. Analyzed:

Date Rec'd: 03/12/2010
Gross Wt.: 2.94

No. Cont:

2

Cont: pb

No. Analyzed:
Net Weight: 0.11g
Tests: 5/6AC

Prelim: Heroin

Findings:

Heroin

• 2 A/S
Heroin

DRUG POWDER ANALYSIS FORM

SAMPLE [REDACTED]

AGENCY LynnANALYST KACNo. of samples tested: 1Evidence Wt. OK**PHYSICAL DESCRIPTION:**

1 pb containing tan
powder
double bagged

Gross Wt (): 26320g

Gross Wt (): _____

Pkg. Wt: 0.2329gNet Wt: 2.3991g**PRELIMINARY TESTS****Spot Tests**

Cobalt +
Thiocyanate -
Marquis +
Froehde's +
Mecke's +

Microcrystalline Tests

Gold Chloride _____
TLTA -

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Heroin
DATE 7/21/10

GC/MS CONFIRMATORY TEST

RESULTS Heroin
MS OPERATOR FASD
DATE 8/2/10

DRUG POWDER ANALYSIS FORM

SAMPLE [REDACTED]

AGENCY

Lynn

ANALYST

KAC

No. of samples tested: 1

Evidence Wt

OK

PHYSICAL DESCRIPTION:

2 similar phs containing
tan powder

Gross Wt (2): 0.8437g

Gross Wt (1): 0.41356g

Pkg. Wt: 0.0639g

Net Wt: 0.3711g

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate (+)
Marquis (+)
Froehde's (+)
Mecke's (+)

Microcrystalline Tests

Gold Chloride _____
TLTA (-)

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Heroin
DATE 7/21/10

GC/MS CONFIRMATORY TEST

RESULTS Heroin
MS OPERATOR ASD
DATE 8/2/10

DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY

Lynn

ANALYST

KAC

No. of samples tested:

Evidence Wt.

OK

PHYSICAL DESCRIPTION:

6 round tan tablets
- NO markings

Gross Wt ():

Gross Wt ():

Pkg. Wt:

Direct Net Wt: 3.4686g

PRELIMINARY TESTS**Spot Tests**Cobalt
Thiocyanate ()

Opium acid

Marquis

Froehde's

Mecke's + red

Dilly -

Microcrystalline TestsGold
Chloride

TLTA ()

OTHER TESTSGC + peaks before
cocaine std.**PRELIMINARY TEST RESULTS**

RESULTS UNKNOWN

DATE 7/21/10

GC/MS CONFIRMATORY TEST

RESULTS Negative

MS OPERATOR ASD

DATE 8/2/10

Area Percent Report

Data Path : D:\GC DATA\07_27_10\
Data File : 02.D
Signal(s) : FID1A.CH
Acq On : 27 Jul 2010 7:29
Sample : COC. & COD. STP.
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M
Title :

Signal : FID1A.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.129	1.094	1.326	BB	711144317	9967432022	100.00%	99.398%
2	1.883	1.844	1.929	BB	102426	1252965	0.01%	0.012%
3	2.147	2.102	2.192	BB	137411	1487257	0.01%	0.015%
4	4.858	4.804	4.904	BB	2932982	26090346	0.26%	0.260%
5	5.645	5.599	5.702	BB	2662601	31499412	0.32%	0.314%

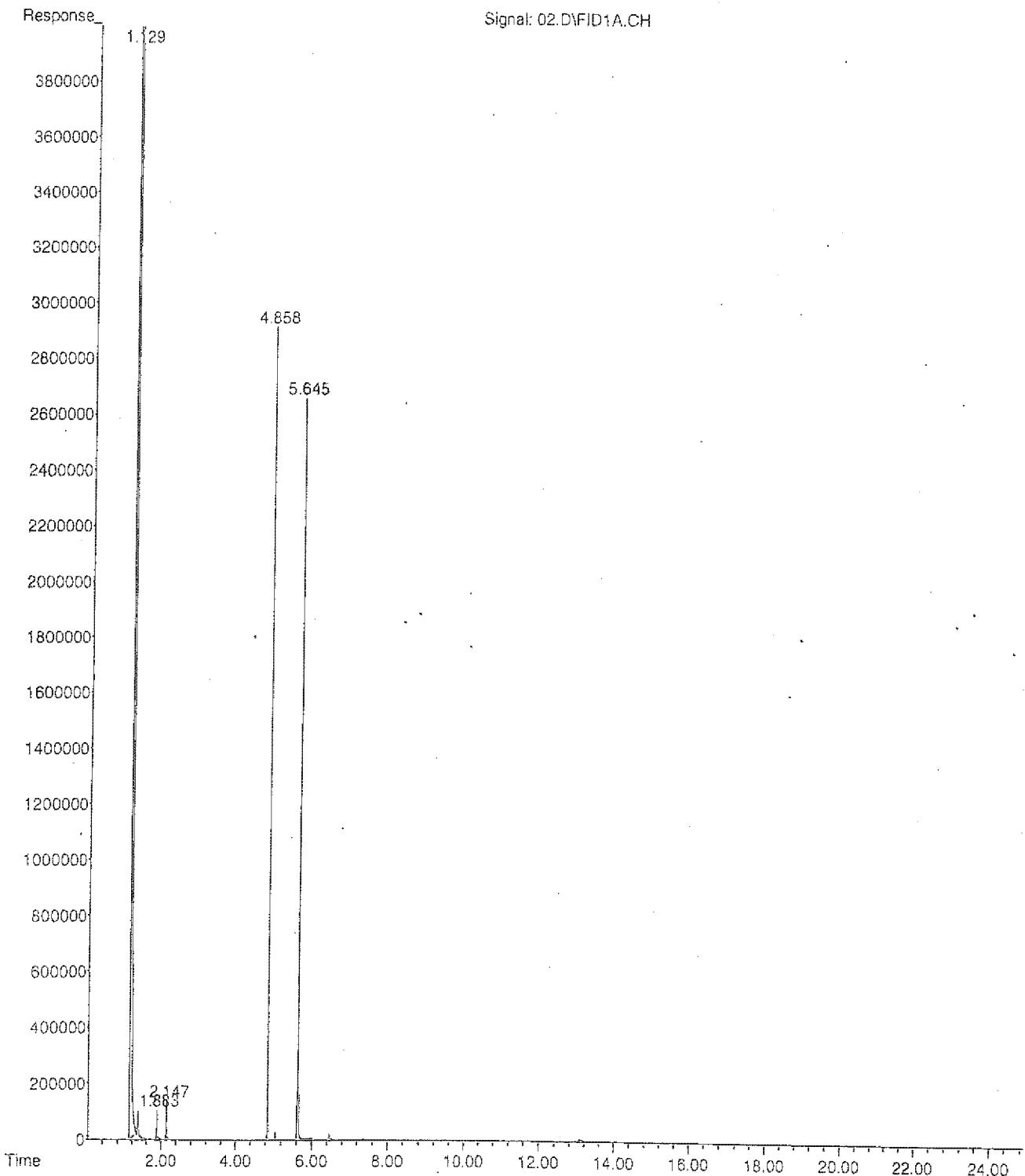
Sum of corrected areas: 10027762002

Area Percent Report

Data Path : D:\GC DATA\07_27_10\
Data File : 02.D
Signal(s) : FID1A.CH
Acq On : 27 Jul 2010 7:29
Sample : COC. & COD. STD.
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M
Title :



Area Percent Report

Data Path : D:\GC DATA\07_27_10\
Data File : 42.D
Signal(s) : FID1A.CH
Acq On : 28 Jul 2010 00:33
Sample : HEROIN STD
Misc : ASD
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M
Title :

Signal : FID1A.CH

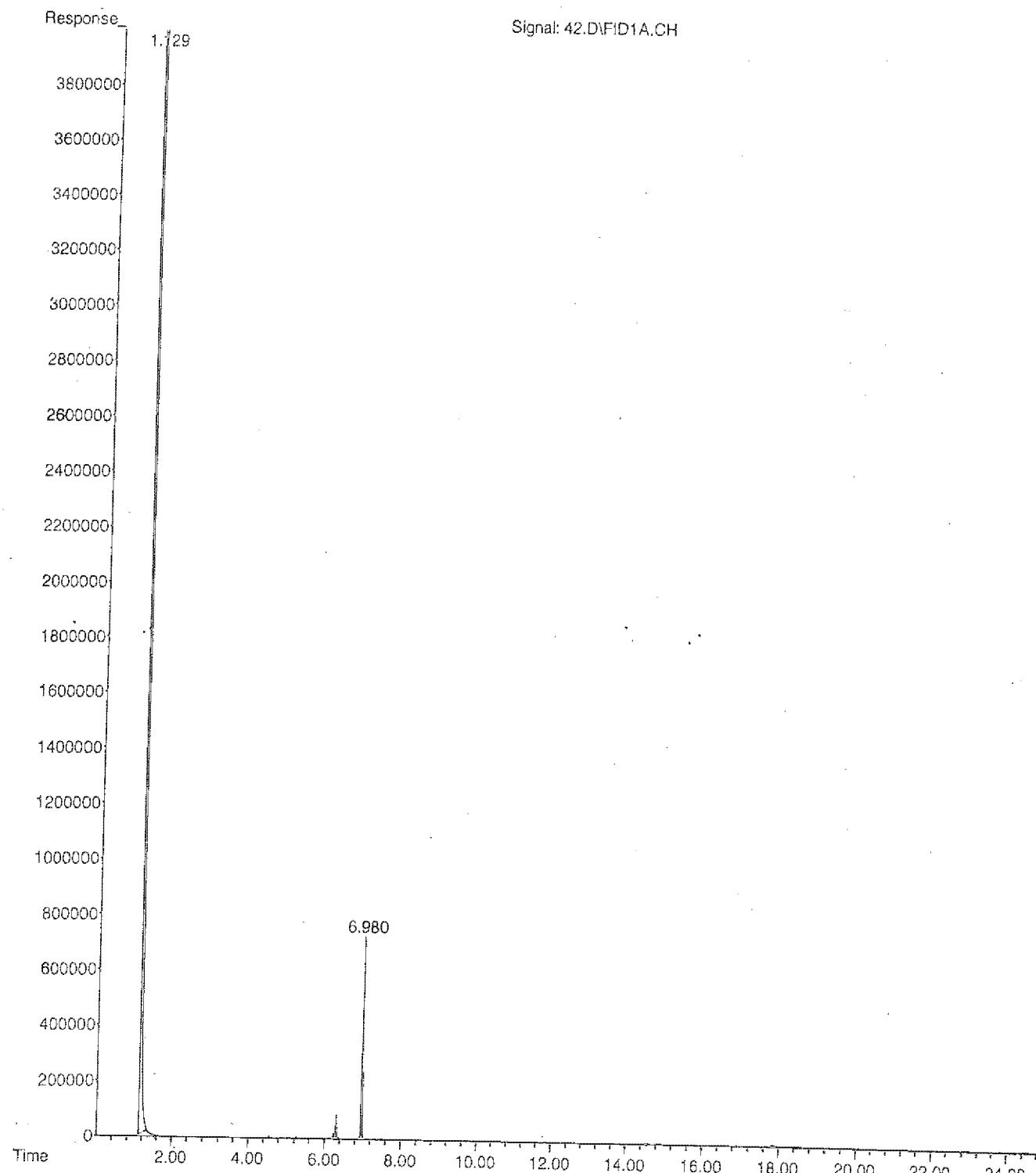
peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.129	1.098	1.346	BB	840067072	11082414484	100.00%	99.888%
2	6.980	6.919	7.041	BB	726718	12372410	0.11%	0.112%
Sum of corrected areas: 11094786894								

Area Percent Report

Data Path : D:\GC DATA\07_27_10\
Data File : 42.D
Signal(s) : FID1A.CH
Acq On : 28 Jul 2010 00:33
Sample : HEROIN STD
Misc : ASD
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M
Title :



Area Percent Report

Data Path : D:\GC DATA\07_27_10\
Data File : 45.D
Signal(s) : FID1A.CH
Acq On : 28 Jul 2010 1:59
Sample : BLANK
Misc : KAC
ALS Vial : 45 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M
Title :

Signal : FID1A.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.128	1.091	1.291	BB	750170654	9712996113	100.00%	100.000%

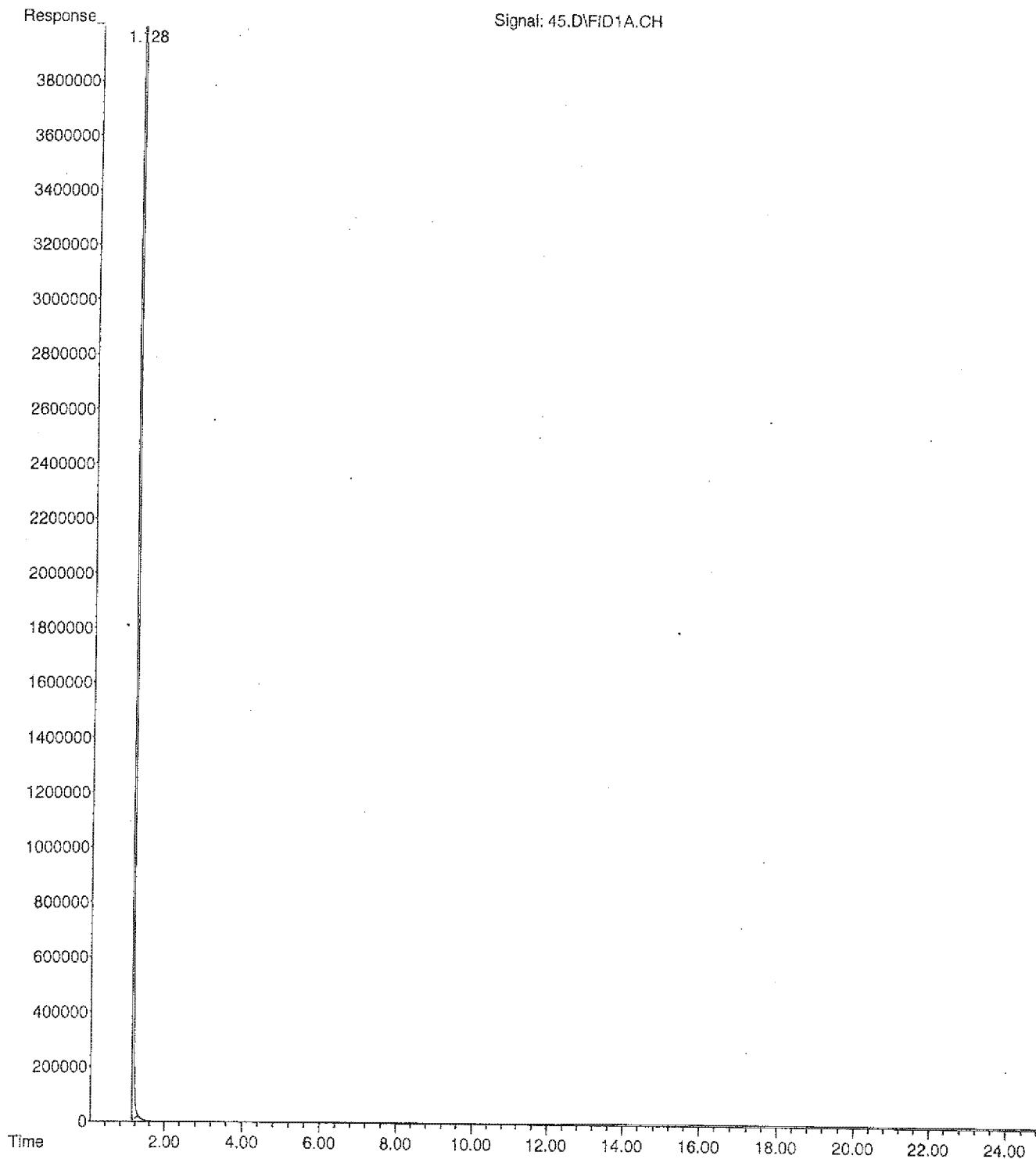
Sum of corrected areas: 9712996113

Area Percent Report

Data Path : D:\GC DATA\07_27_10\
Data File : 45.D
Signal(s) : FID1A.CH
Acq On : 28 Jul 2010 1:59
Sample : BLANK
Misc : KAC
ALS Vial : 45 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M
Title :



Area Percent Report

Data Path : D:\GC DATA\07_27_10\
Data File : 46.D
Signal(s) : FID1A.CH
Acq On : 28 Jul 2010 2:27
Sample : XXXXXXXXXX
Misc : KAC
ALS Vial : 46 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M
Title :

Signal : FID1A.CH

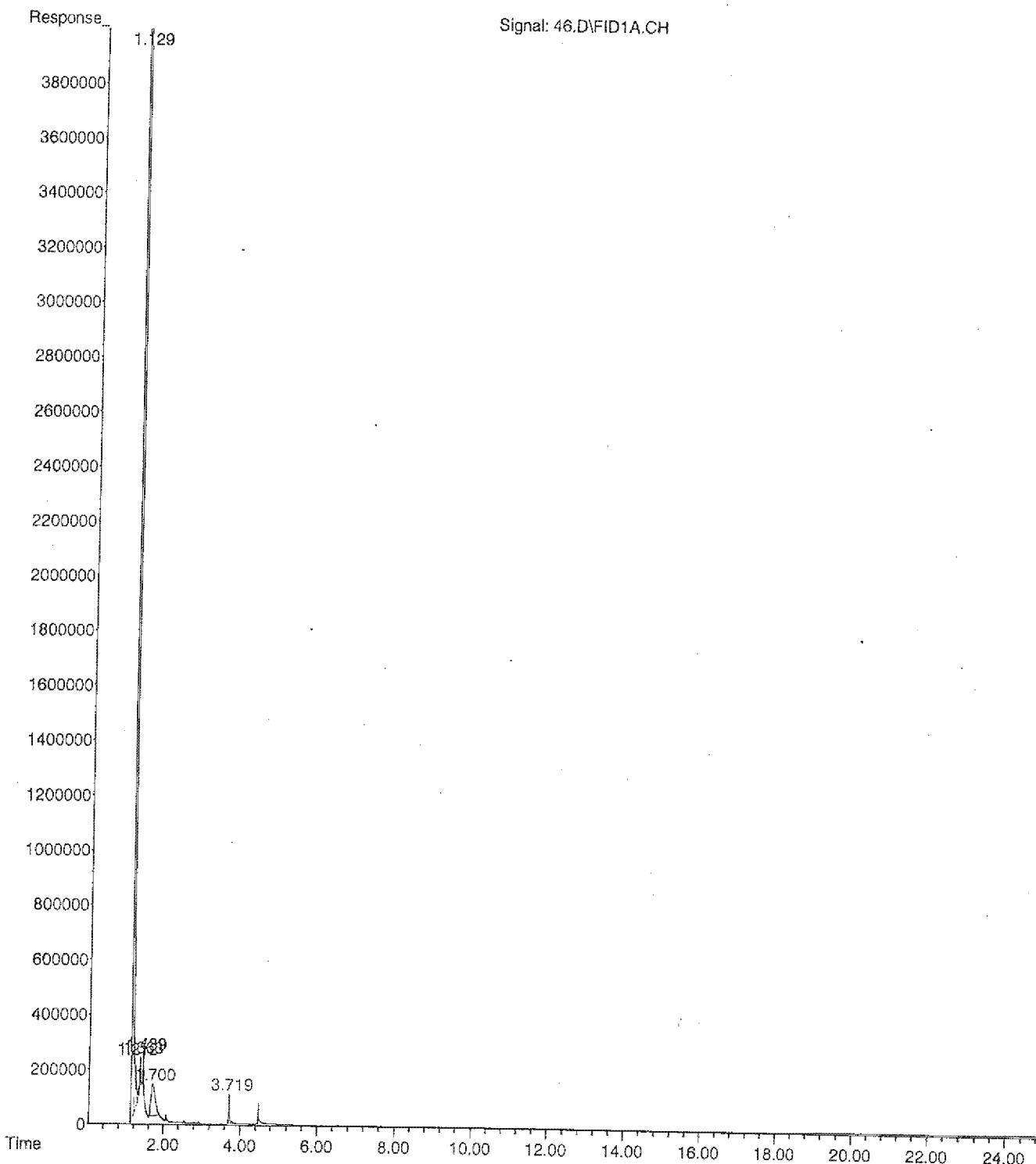
peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.129	1.099	1.197	BV	730822691	9715075487	100.00%	99.784%
2	1.212	1.197	1.288	VV	189108	5897035	0.06%	0.061%
3	1.363	1.337	1.391	PB	122442	1892330	0.02%	0.019%
4	1.439	1.409	1.546	BB	136419	2214316	0.02%	0.023%
5	1.700	1.586	1.886	BB	115050	9537452	0.10%	0.098%
6	3.719	3.692	3.799	BB	108033	1534413	0.02%	0.016%
Sum of corrected areas:						9736151033		

Area Percent Report

Data Path : D:\GC DATA\07_27_10\
Data File : 46.D
Signal(s) : FID1A.CH
Acq On : 28 Jul 2010 2:27
Sample : XXXXXXXXXX
Misc : KAC
ALS Vial : 46 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M
Title :



DRUG POWDER ANALYSIS FORM

SAMPLE [REDACTED]

AGENCY LynnANALYST KACNo. of samples tested: 1

Evidence Wt.

OK

PHYSICAL DESCRIPTION:

1 pb containing tan
powder

Pb inside a larger ziploc.

Gross Wt (): 0.4281g

Gross Wt (): _____

Pkg. Wt: 0.0739gNet Wt: 0.3542g

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate () +
Marquis _____ +
Froehde's _____ +
Mecke's _____ +

Microcrystalline Tests

Gold Chloride _____
TLTA () _____

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Heroin
DATE 7/21/10

GC/MS CONFIRMATORY TEST

RESULTS Heron
MS OPERATOR JASD
DATE 8/2/10

DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY

Lynn

ANALYST

KAC

No. of samples tested:

1

Evidence Wt.

OK

PHYSICAL DESCRIPTION:

2 Similar pbs
Containing tan powder
Both pbs inside a clear ziploc

Gross Wt (2): 0.4303g

Gross Wt (1): 0.2137g

Pkg. Wt: 0.0977g

Net Wt: 0.1160g

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate (+)
Marquis (+)
Froehde's (+)
Mecke's (+)

Microcrystalline Tests

Gold Chloride _____
TLTA (-)

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS

Heroin

DATE

7/21/10

GC/MS CONFIRMATORY TEST

RESULTS

Heroin

MS

OPERATOR

IASD

DATE

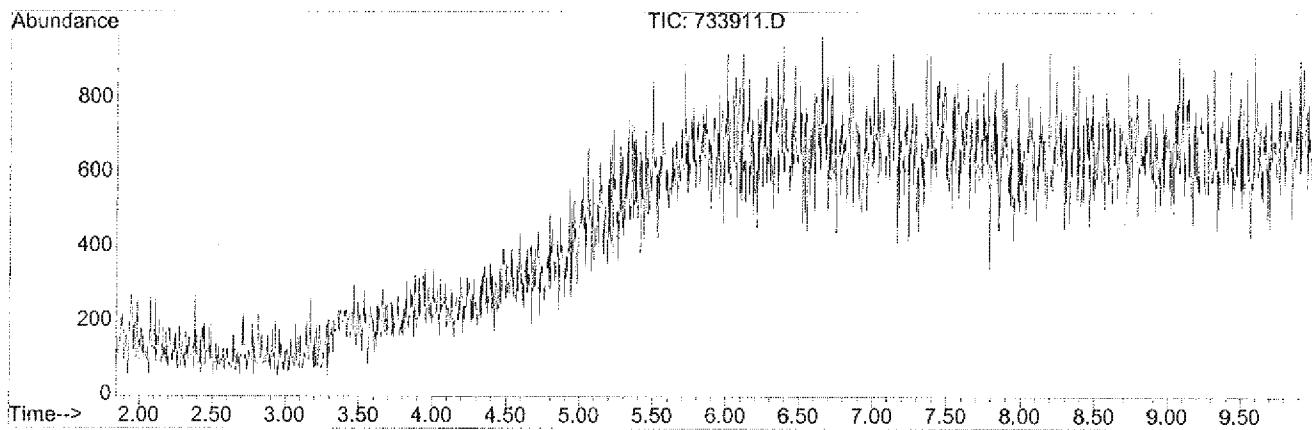
8/2/10

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733911.D
Operator : KAC
Date Acquired : 29 Jul 2010 12:38
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE

✓ ASO
3-4-11



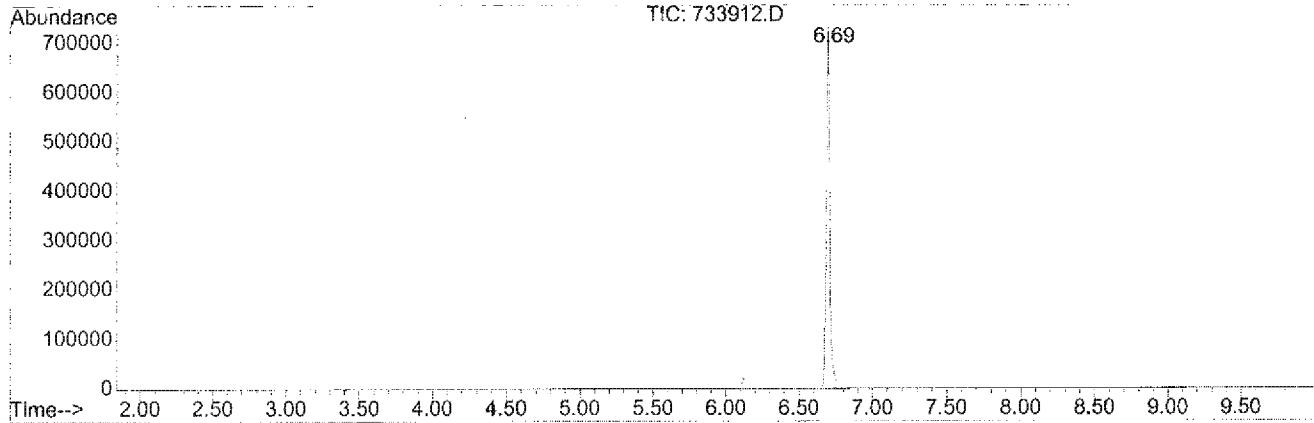
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733912.D
Operator : KAC
Date Acquired : 29 Jul 2010 12:51
Sample Name : HEROIN STD
Submitted by :
Vial Number : 12
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.694	1213960	100.00	100.00

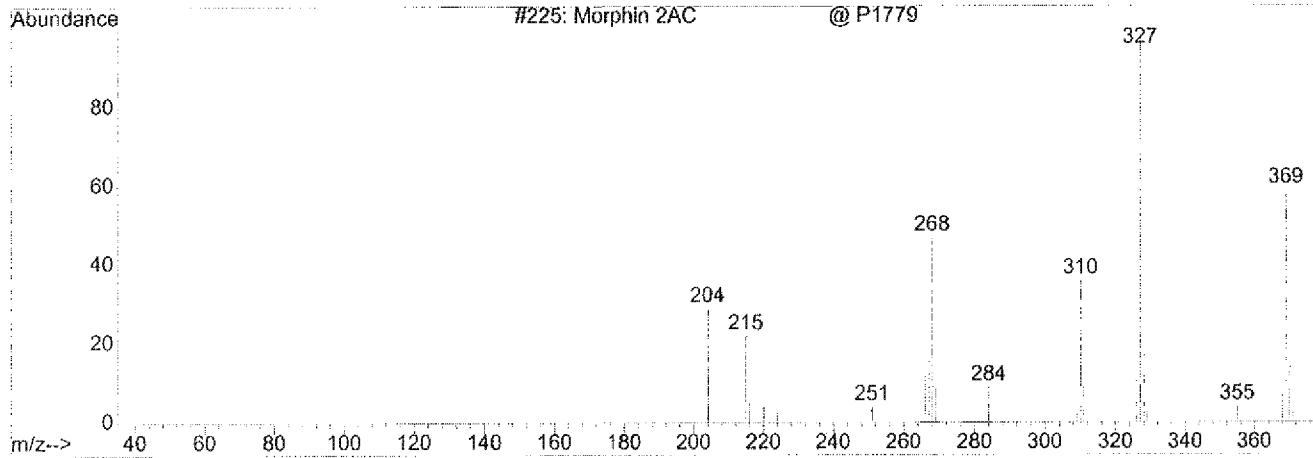
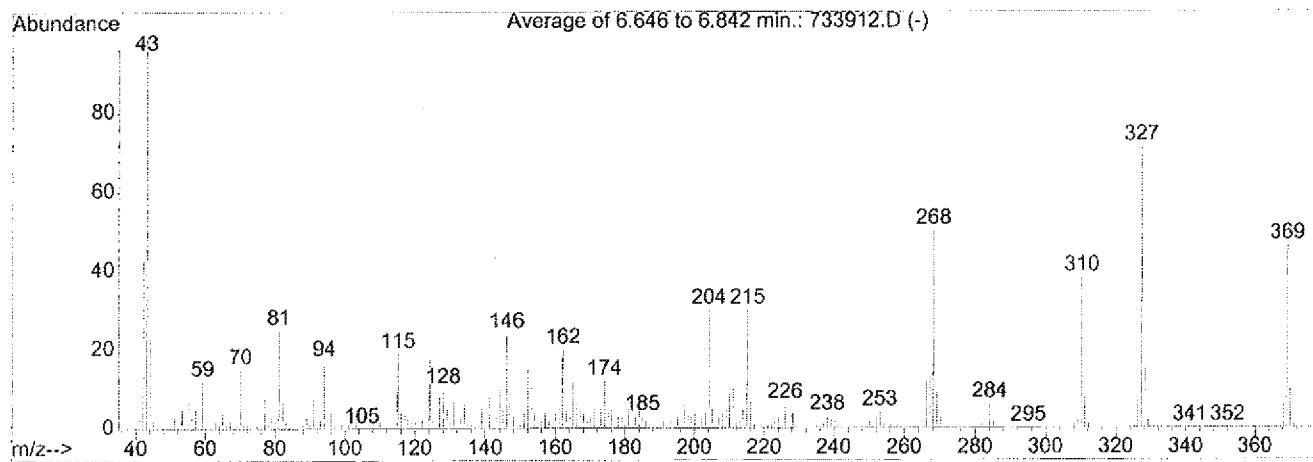
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733912.D
Operator : KAC
Date Acquired : 29 Jul 2010 12:51
Sample Name : HEROIN STD
Submitted by :
Vial Number : 12
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

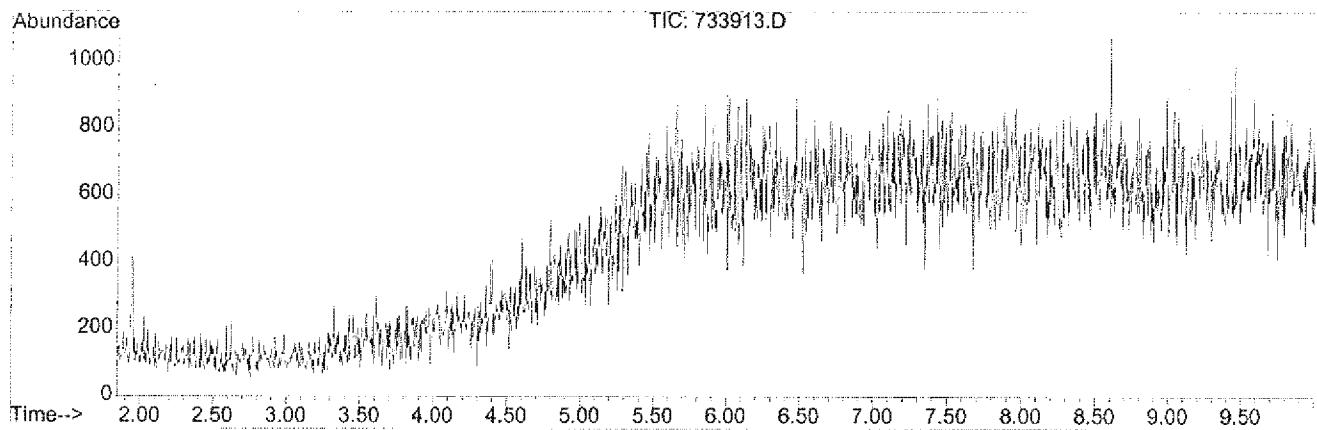
PK#	RT	Library/ID	CAS#	Qual
1	6.69	C:\DATABASE\PMW_TOX2.L		
		Morphin 2AC	@ 000561-27-3	90
		Heroin-M (6-acetyl-morphine)	059833-14-6	60
		Naloxone AC	000000-00-0	38



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733913.D
Operator : KAC
Date Acquired : 29 Jul 2010 13:05
Sample Name : BLANK
Submitted by : KAC
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



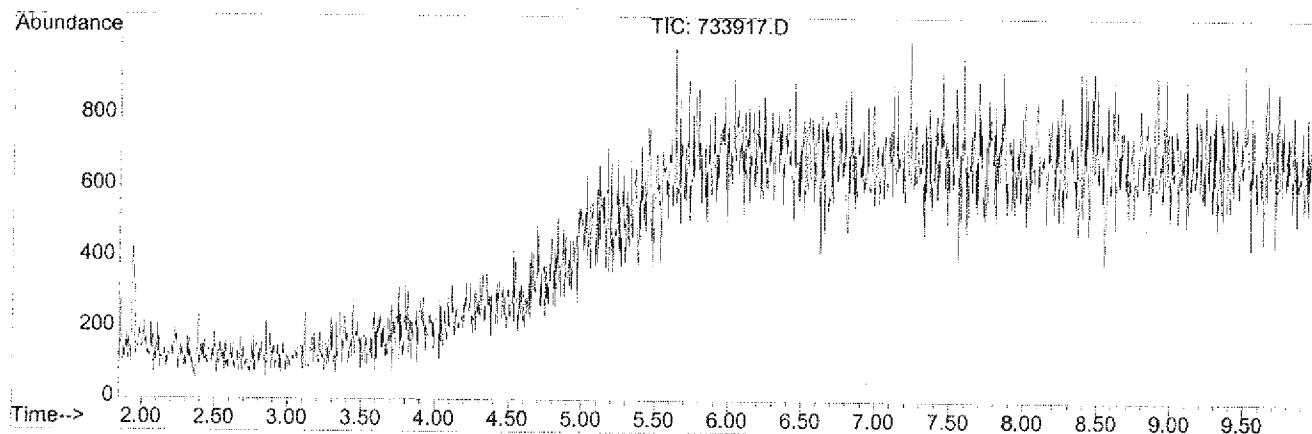
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733917.D
Operator : KAC
Date Acquired : 29 Jul 2010 13:59
Sample Name : BLANK
Submitted by : KAC
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



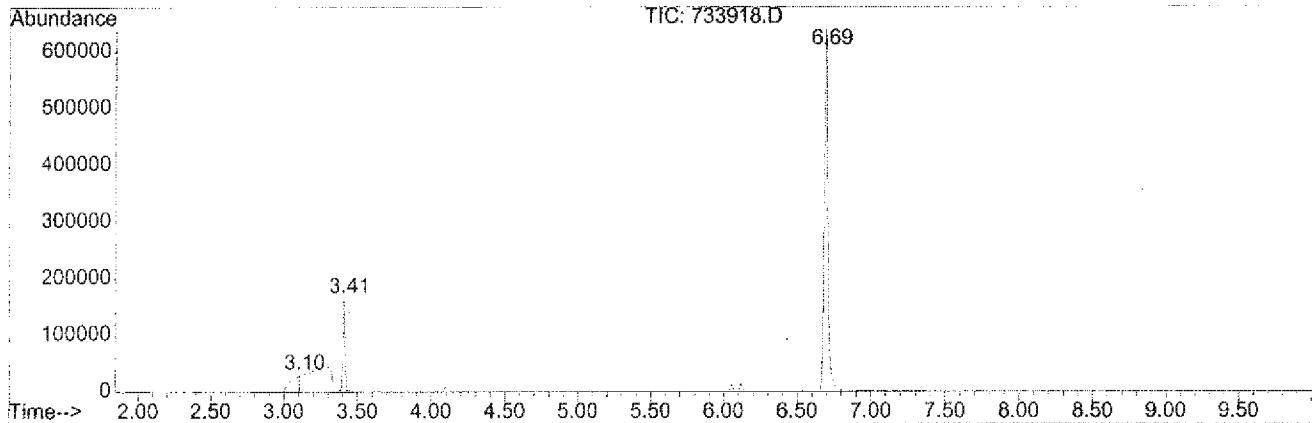
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733918.D
Operator : KAC
Date Acquired : 29 Jul 2010 14:13
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 18
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.099	126857	9.35	11.82
3.406	157112	11.58	14.64
6.690	1073319	79.08	100.00

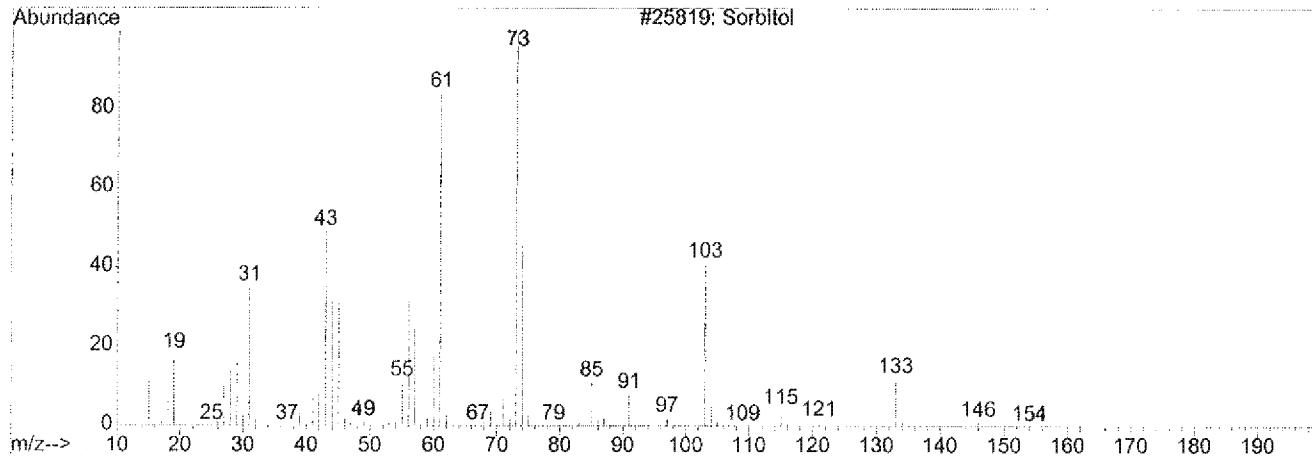
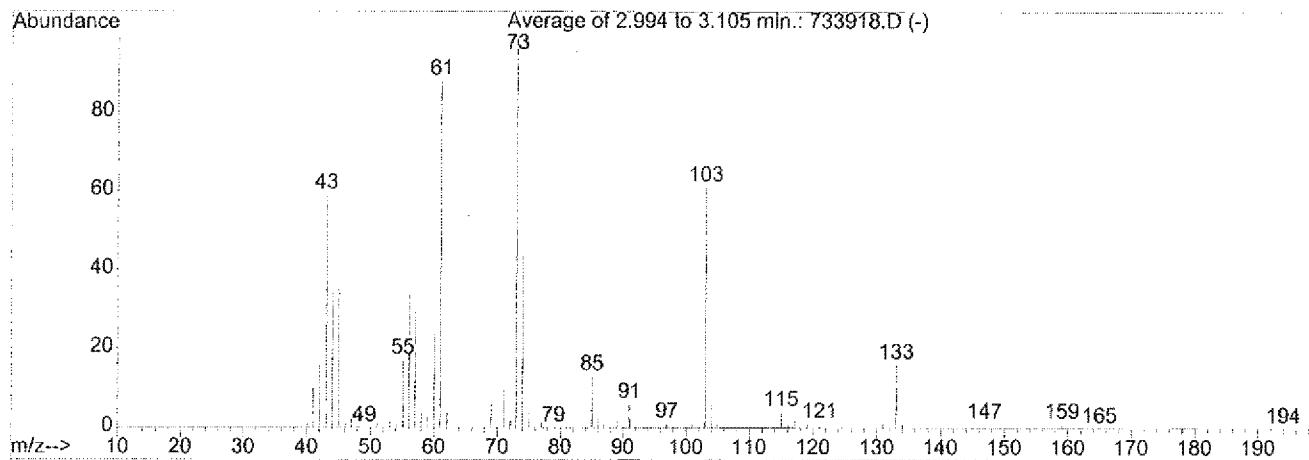
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733918.D
Operator : KAC
Date Acquired : 29 Jul 2010 14:13
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 18
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
1	3.10	C:\DATABASE\NIST98.L		
		Sorbitol	000050-70-4	91
		Sorbitol	000050-70-4	87
		Mannitol	000069-65-8	78



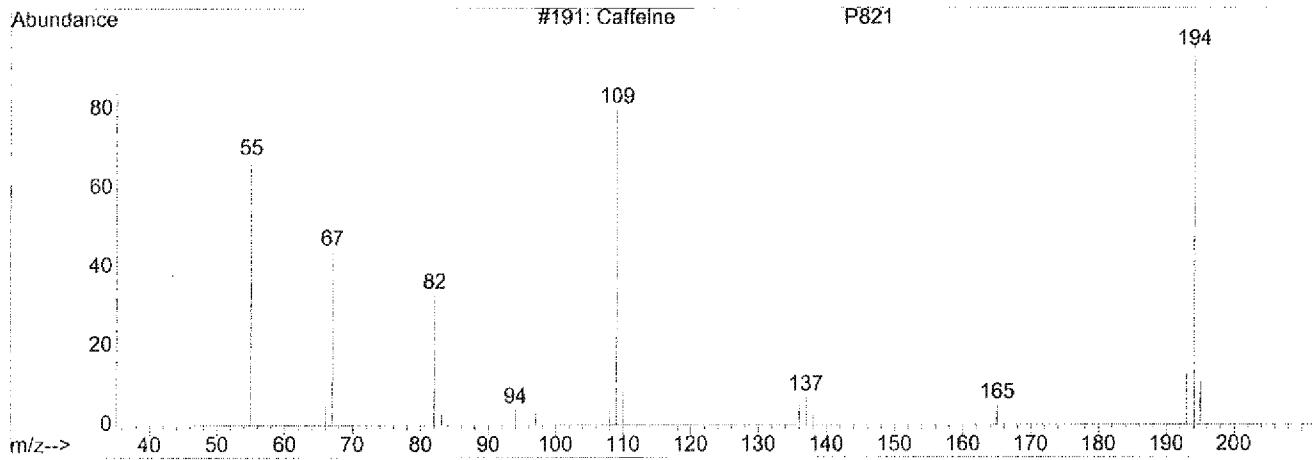
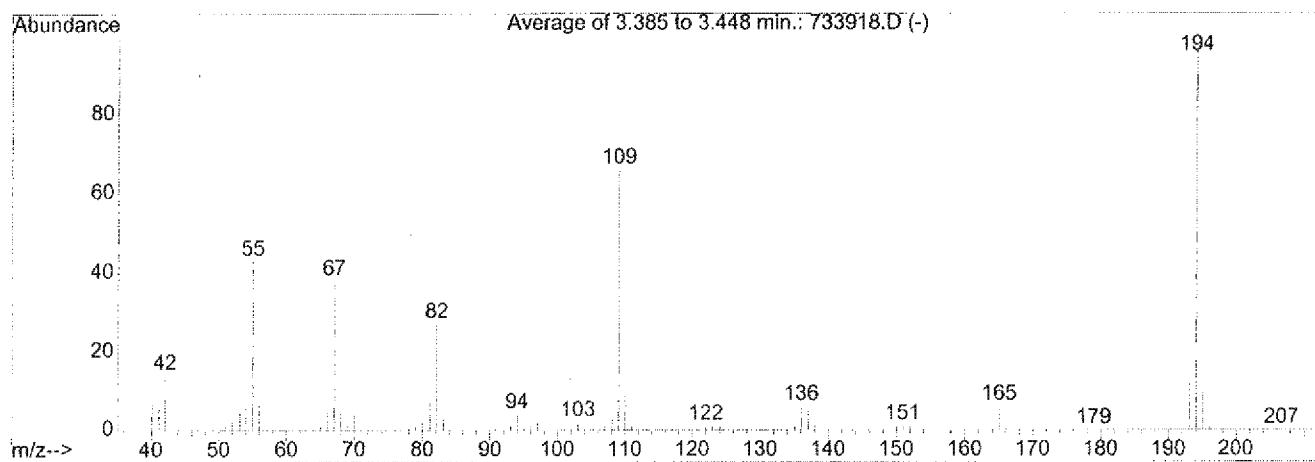
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733918.D
Operator : KAC
Date Acquired : 29 Jul 2010 14:13
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 18
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
2	3.41	C:\DATABASE\PMW_TOX2.L		
		Caffeine	000058-08-2	95
		Endogenous biomolecule 2AC	000000-00-0	9
		Mescaline AC	000000-00-0	4



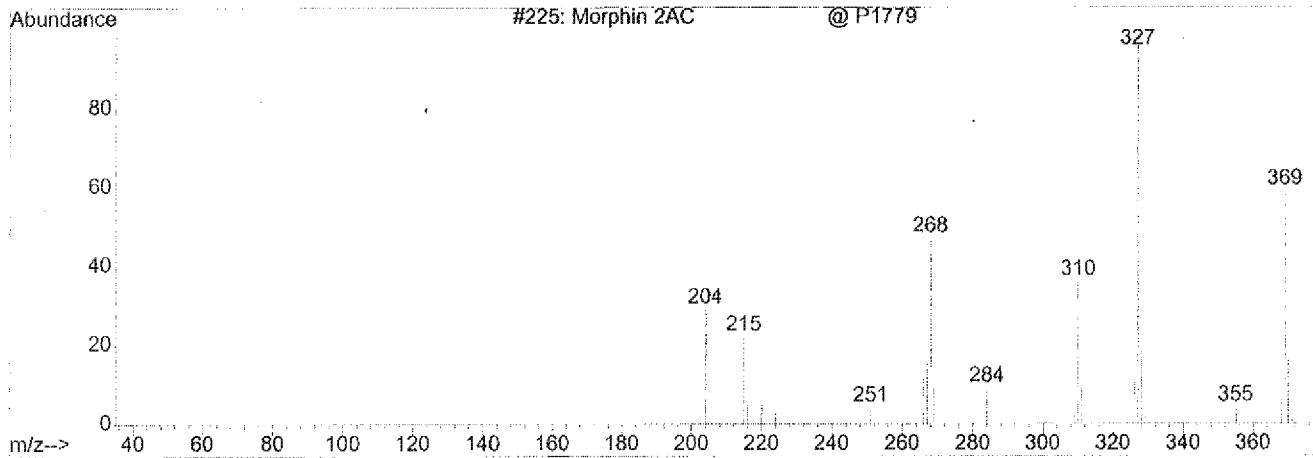
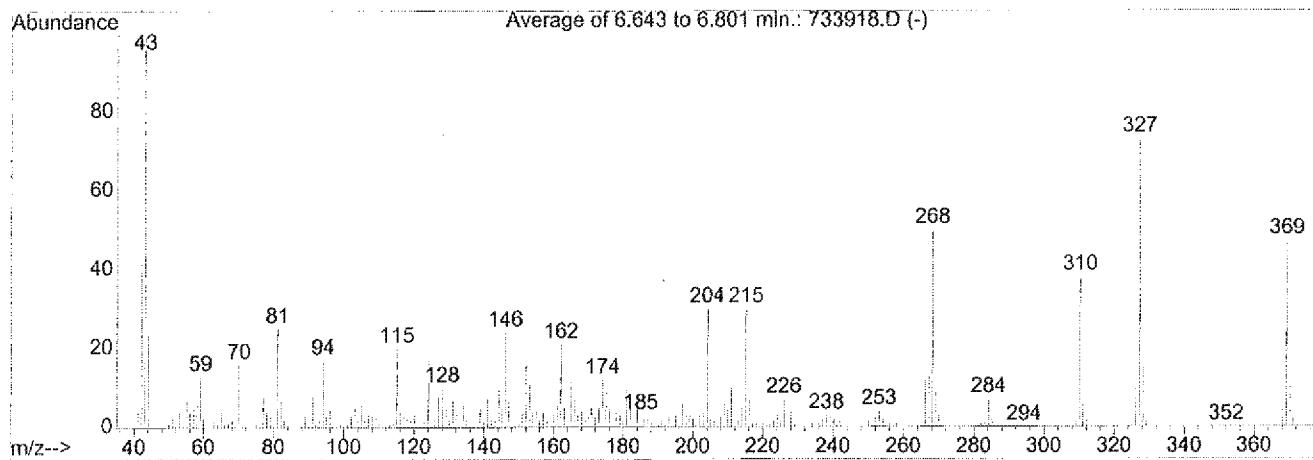
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733918.D
Operator : KAC
Date Acquired : 29 Jul 2010 14:13
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 18
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

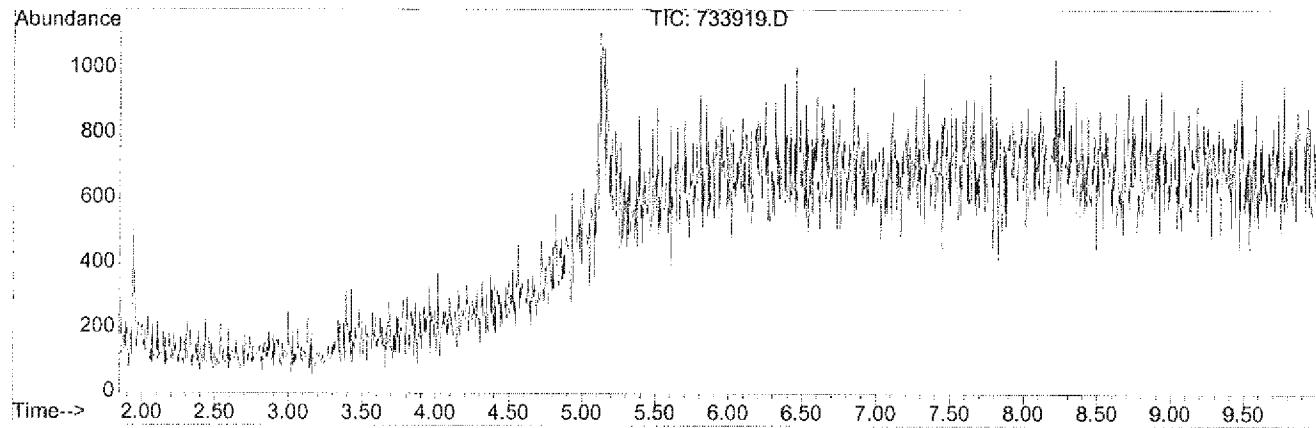
PK#	RT	Library/ID	CAS#	Qual
3	6.69	C:\DATABASE\PMW_TOX2.L		
		Morphin 2AC	@ 000561-27-3	90
		Heroin-M (6-acetyl-morphine)	059833-14-6	60
		Naloxone AC	000000-00-0	38



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733919.D
Operator : KAC
Date Acquired : 29 Jul 2010 14:26
Sample Name : BLANK
Submitted by : KAC
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



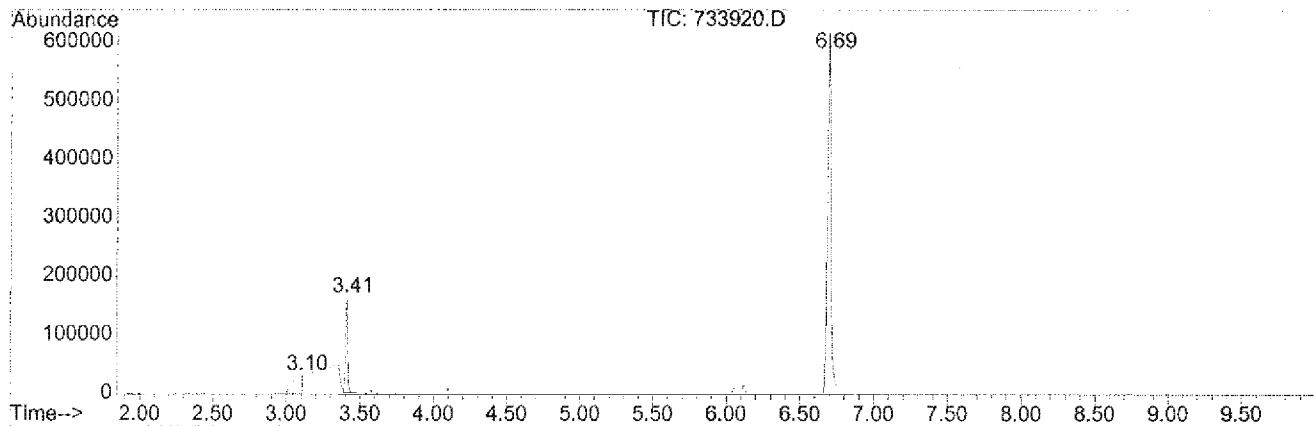
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733920.D
Operator : KAC
Date Acquired : 29 Jul 2010 14:40
Sample Name : [REDACTED]
Submitted by : KAC
Vial Number : 20
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.102	134344	10.10	12.89
3.408	152764	11.49	14.65
6.693	1042568	78.41	100.00

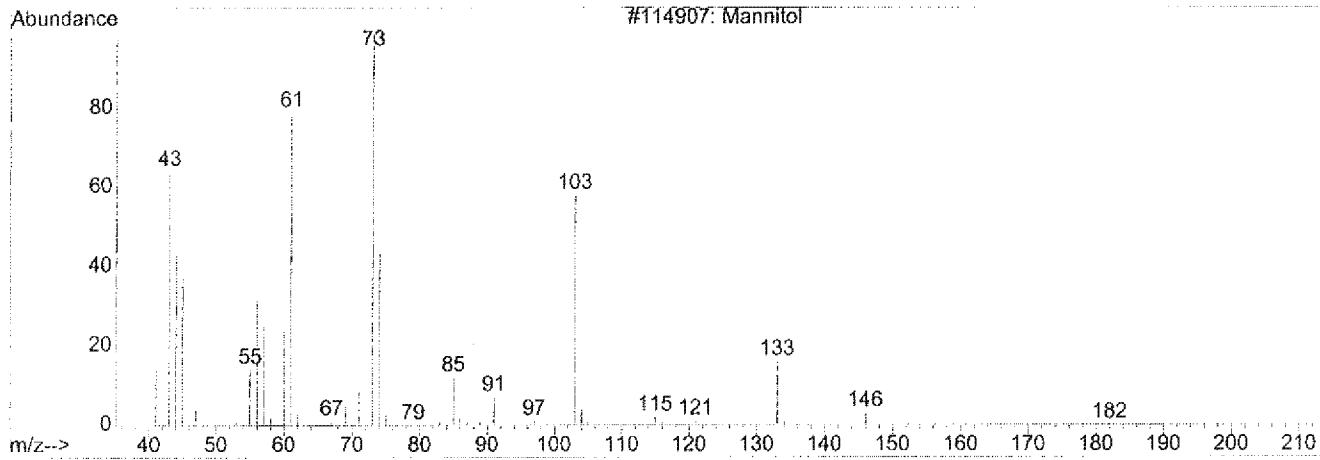
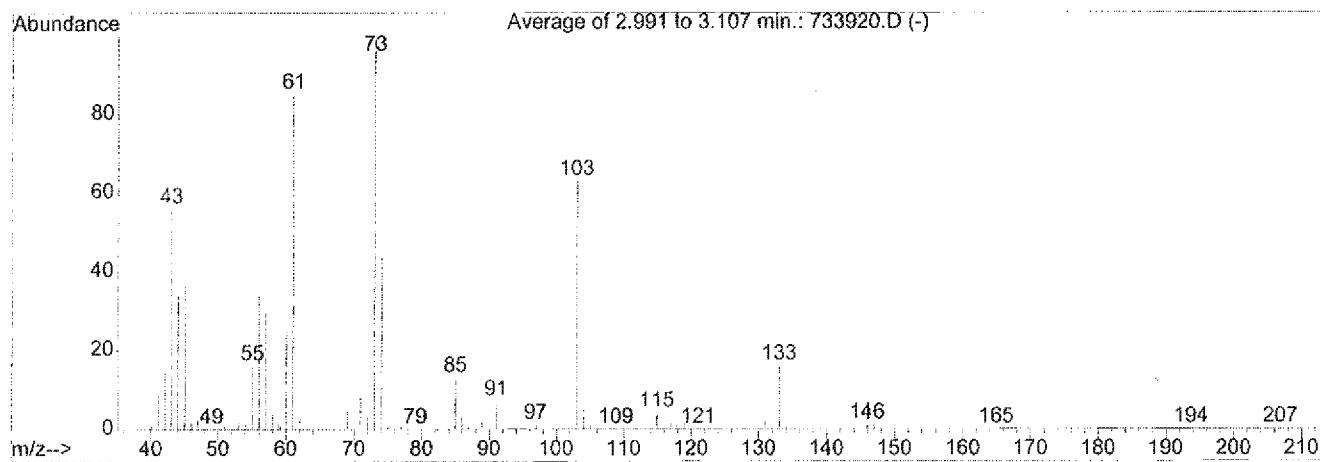
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733920.D
Operator : KAC
Date Acquired : 29 Jul 2010 14:40
Sample Name : [REDACTED]
Submitted by : KAC
Vial Number : 20
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
1	3.10	C:\DATABASE\NIST98.L		
		Mannitol	000069-65-8	91
		Sorbitol	000050-70-4	87
		Sorbitol	000050-70-4	87



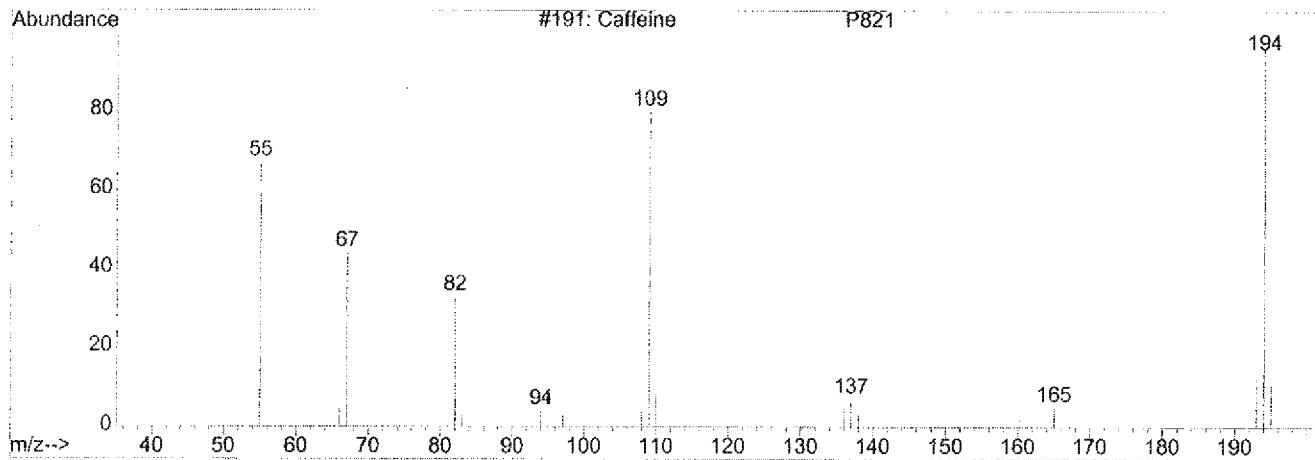
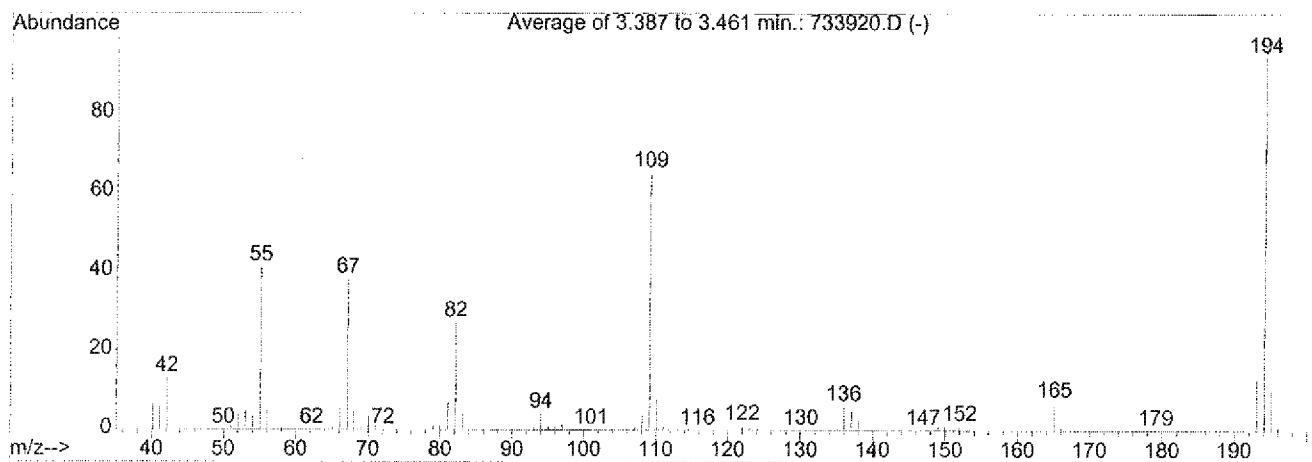
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733920.D
Operator : KAC
Date Acquired : 29 Jul 2010 14:40
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 20
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
2	3.41	C:\DATABASE\PMW_TOX2.L		
		Caffeine	000058-08-2	97
		Proxyphylline	000603-00-9	4
		Paracetamol	@ 000103-90-2	4



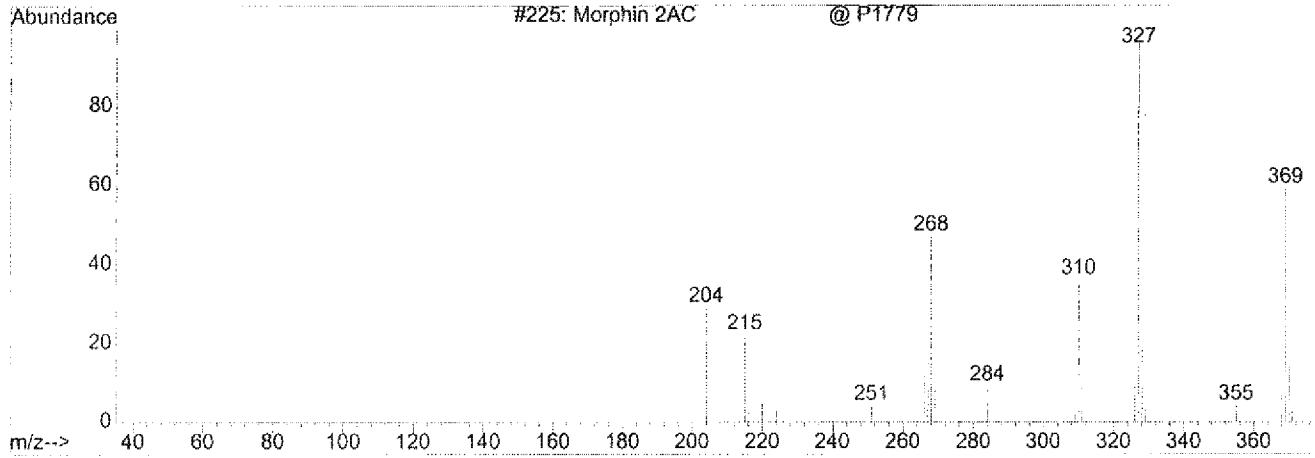
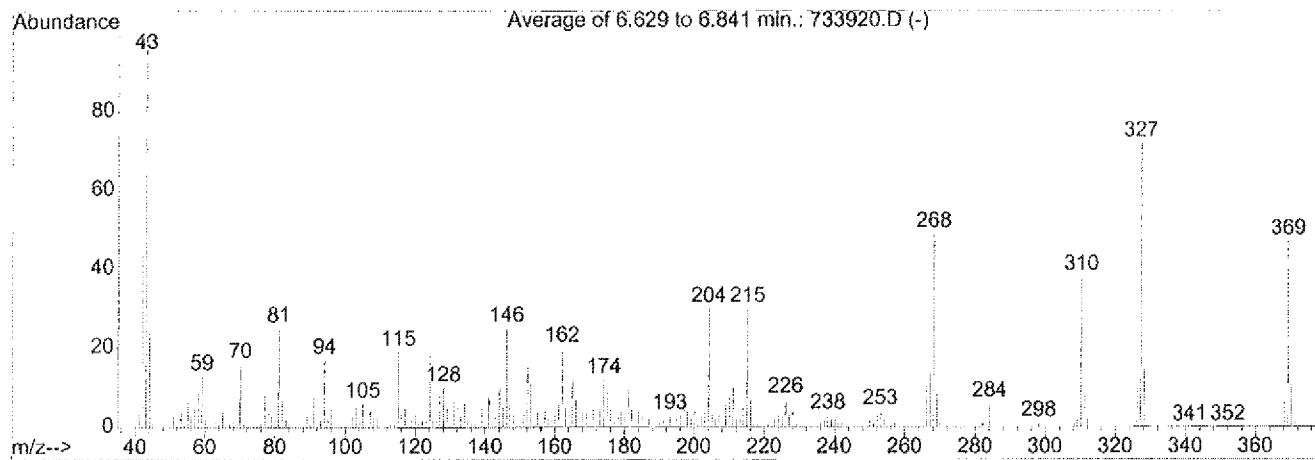
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733920.D
Operator : KAC
Date Acquired : 29 Jul 2010 14:40
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 20
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

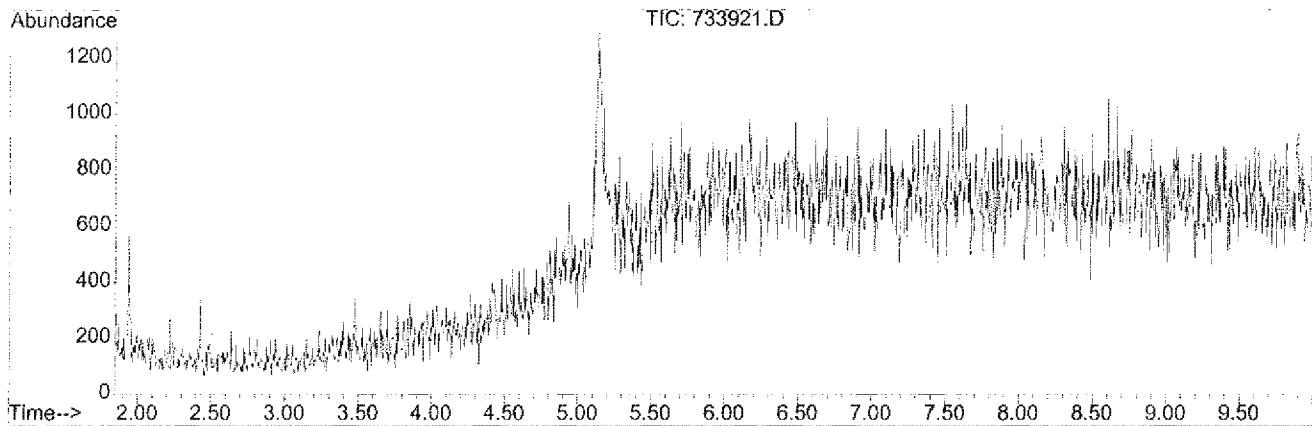
PK#	RT	Library/ID	CAS#	Qual
3	6.69	C:\DATABASE\PMW_TOX2.L		
		Morphin 2AC	@ 000561-27-3	91
		Heroin-M (6-acetyl-morphine)	059833-14-6	60
		Naloxone AC	000000-00-0	38



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733921.D
Operator : KAC
Date Acquired : 29 Jul 2010 14:53
Sample Name : BLANK
Submitted by : KAC
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



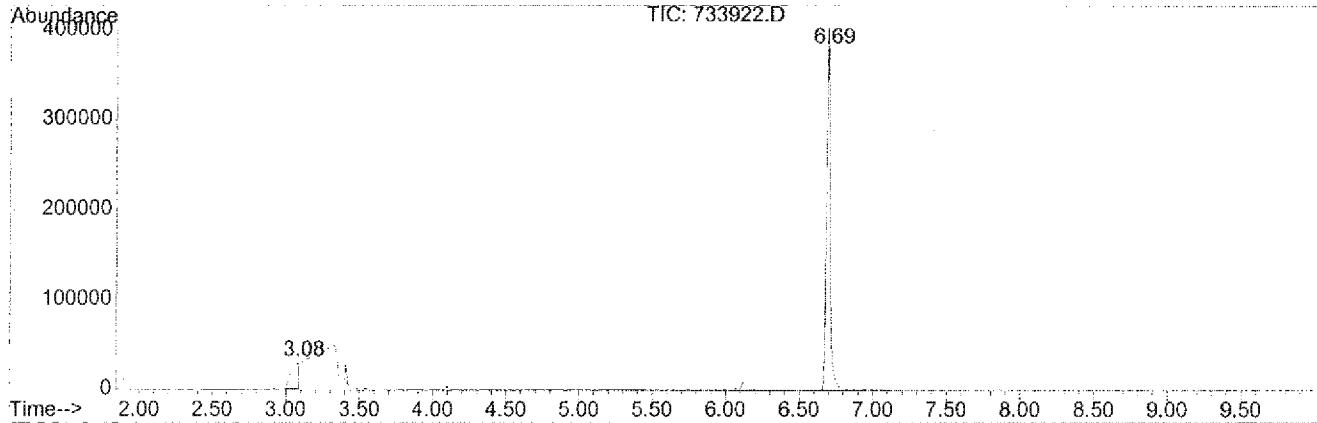
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733922.D
Operator : KAC
Date Acquired : 29 Jul 2010 15:07
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 22
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.081	104903	13.16	15.15
6.688	692507	86.84	100.00

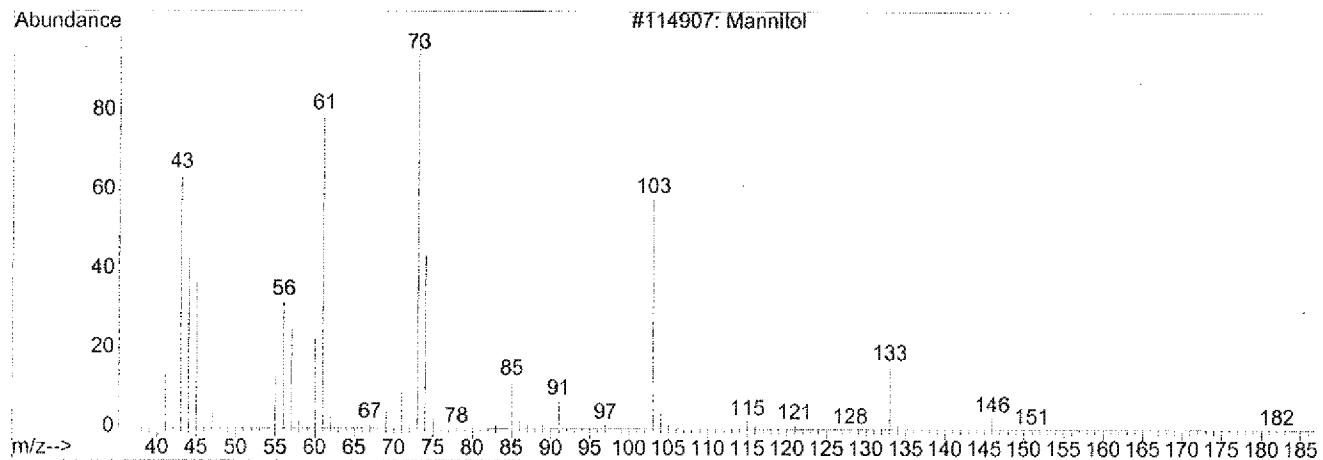
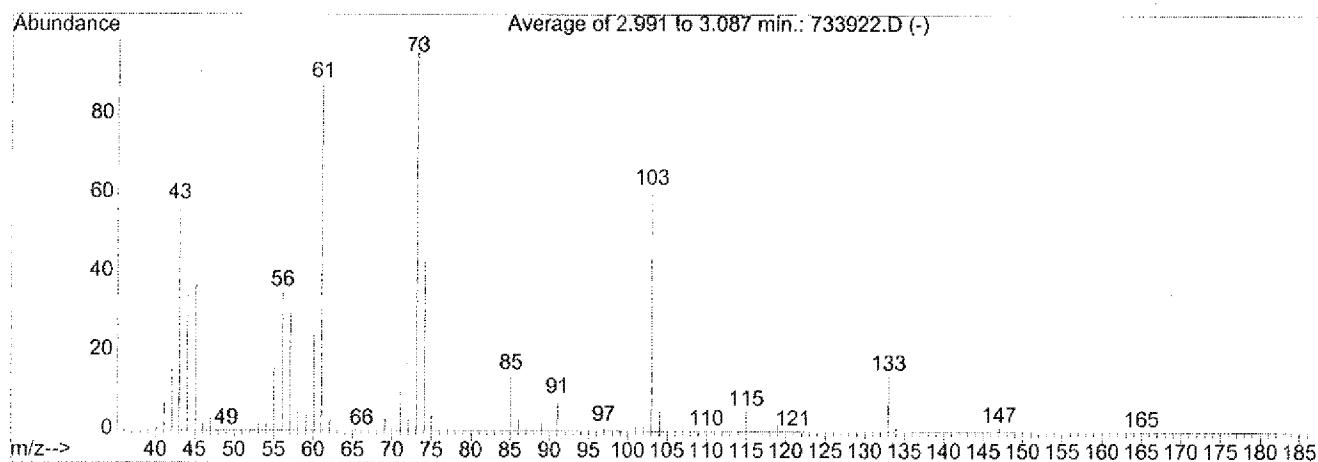
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733922.D
Operator : KAC
Date Acquired : 29 Jul 2010 15:07
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 22
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
1	3.08	C:\DATABASE\NIST98.L		
		Mannitol	000069-65-8	91
		Sorbitol	000050-70-4	91
		Glucitol	026566-34-7	90



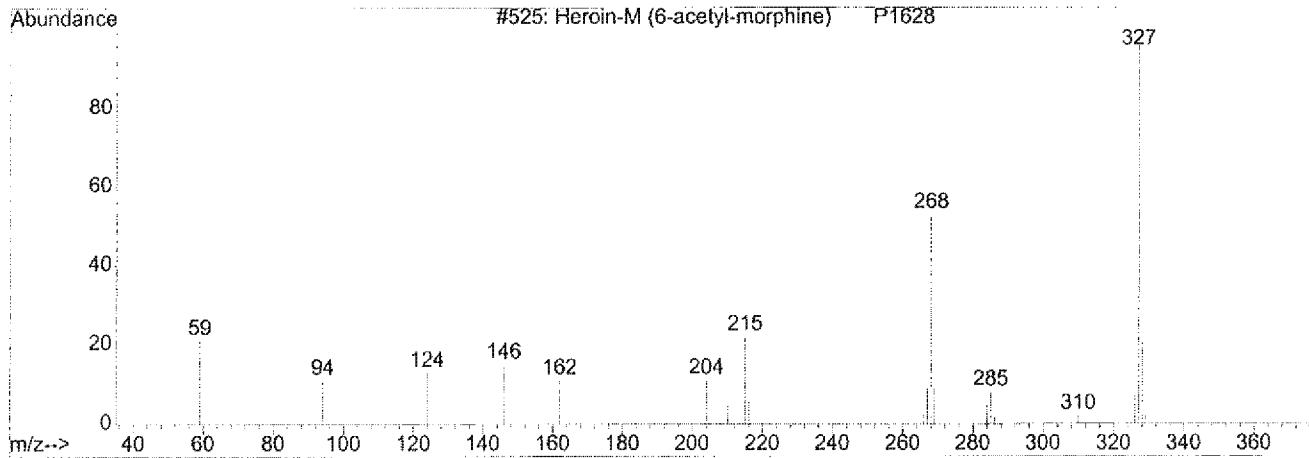
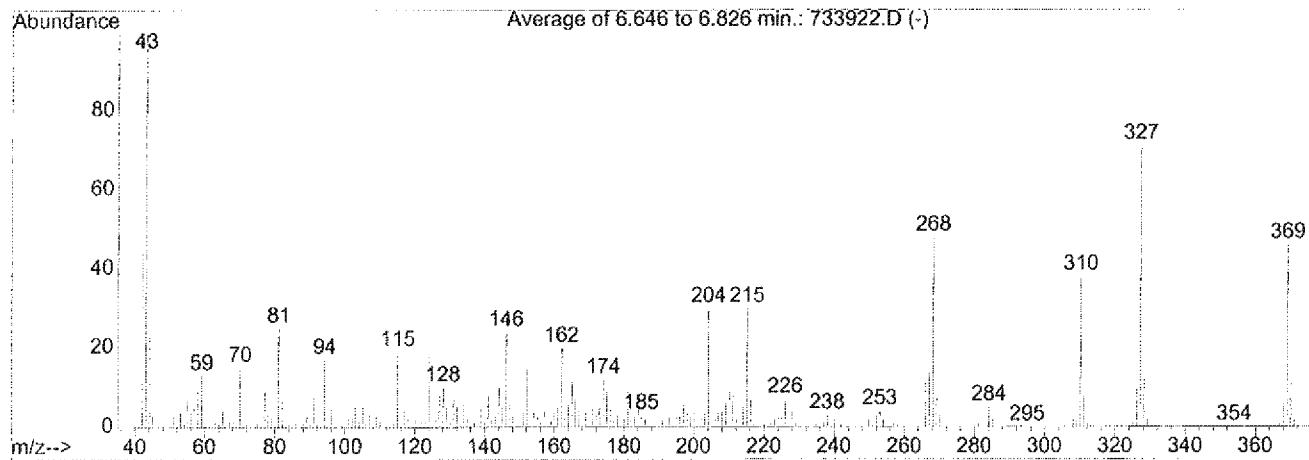
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733922.D
Operator : KAC
Date Acquired : 29 Jul 2010 15:07
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 22
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

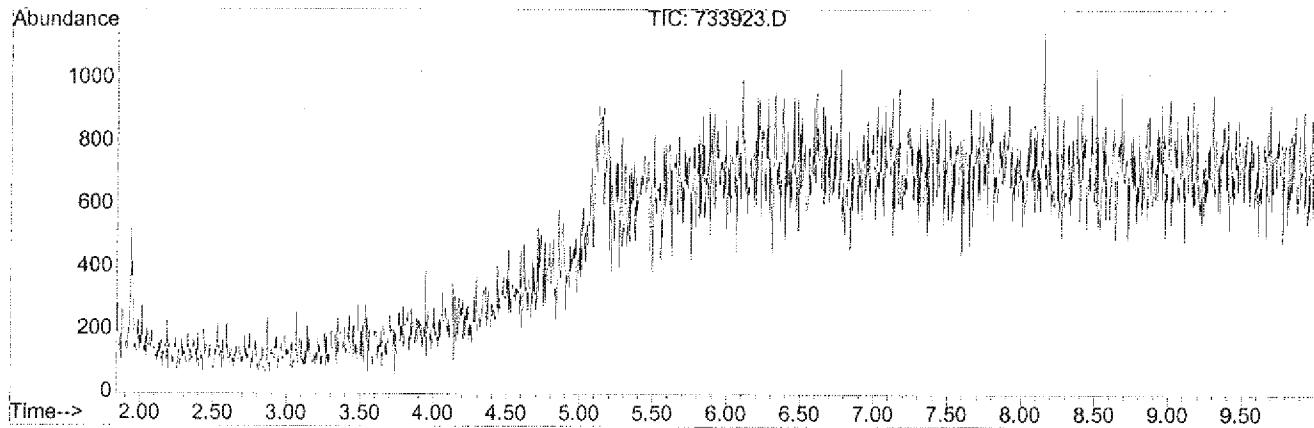
PK#	RT	Library/ID	CAS#	Qual
2	6.69	C:\DATABASE\PMW_TOX2.L		
		Heroin-M (6-acetyl-morphine)	059833-14-6	91
		Morphin 2AC	@ 000561-27-3	90
		Naloxone AC	000000-00-0	38



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733923.D
Operator : KAC
Date Acquired : 29 Jul 2010 15:20
Sample Name : BLANK
Submitted by : KAC
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



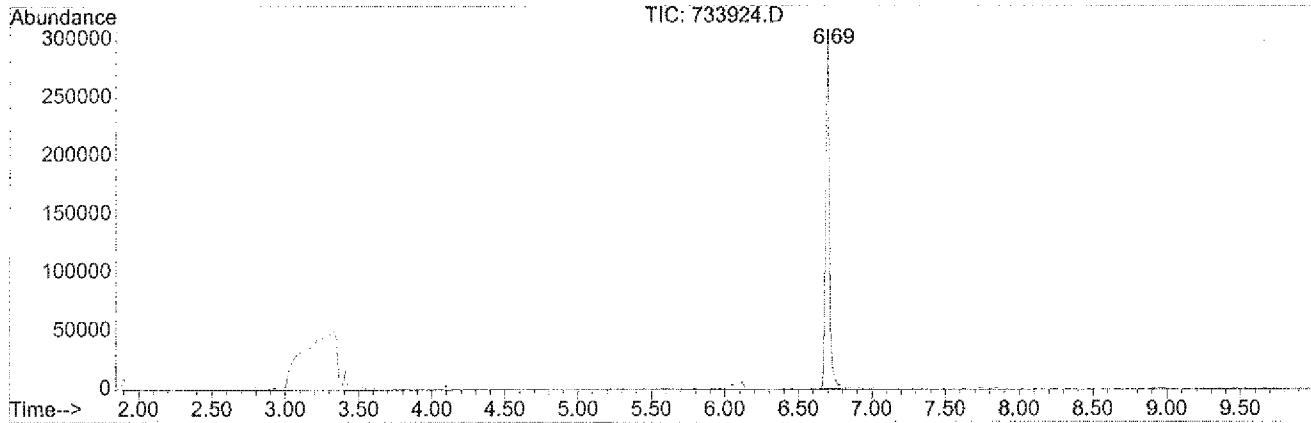
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733924.D
Operator : KAC
Date Acquired : 29 Jul 2010 15:34
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 24
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.693	547133	100.00	100.00

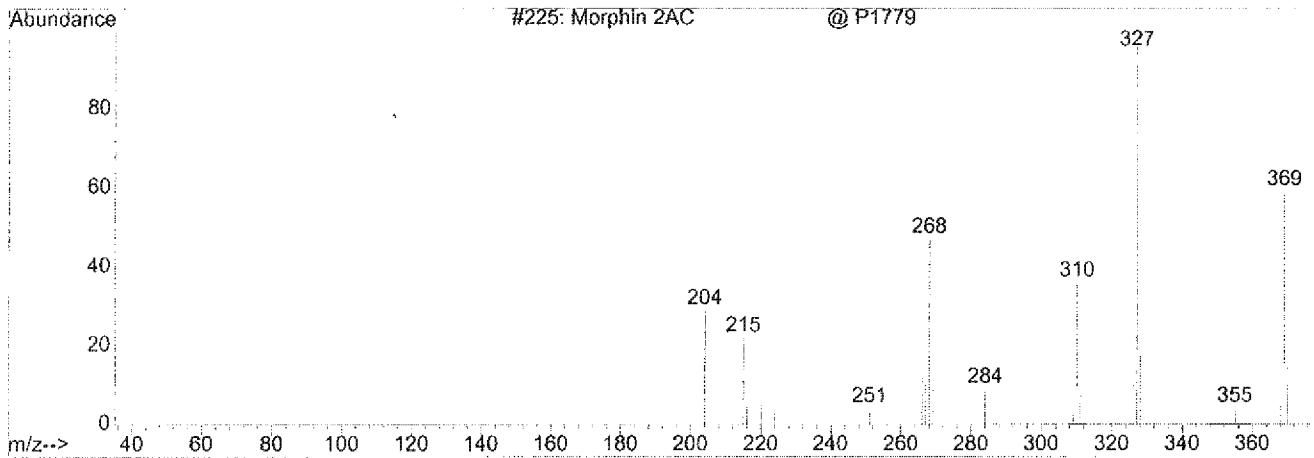
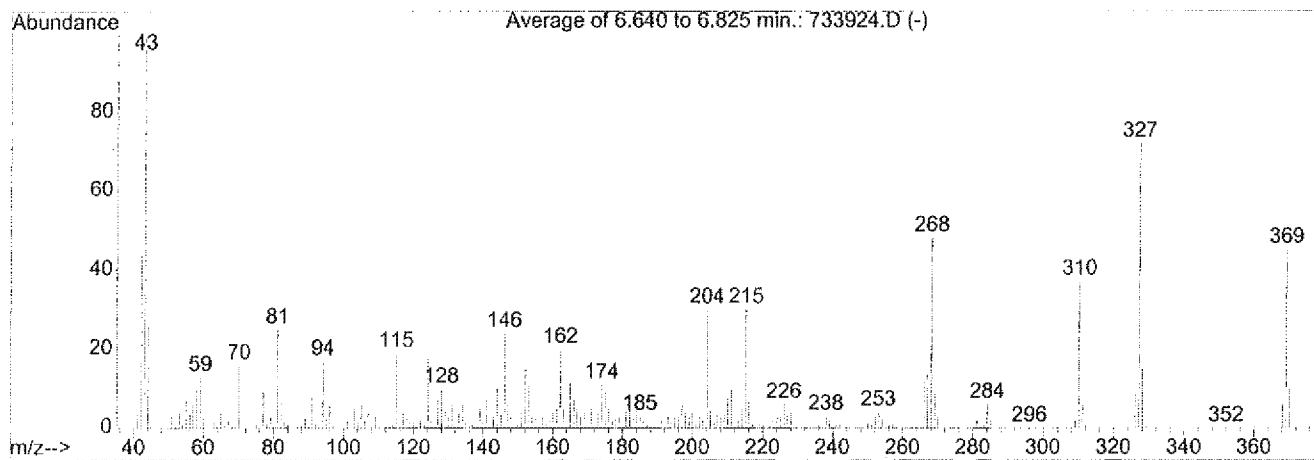
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733924.D
Operator : KAC
Date Acquired : 29 Jul 2010 15:34
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 24
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

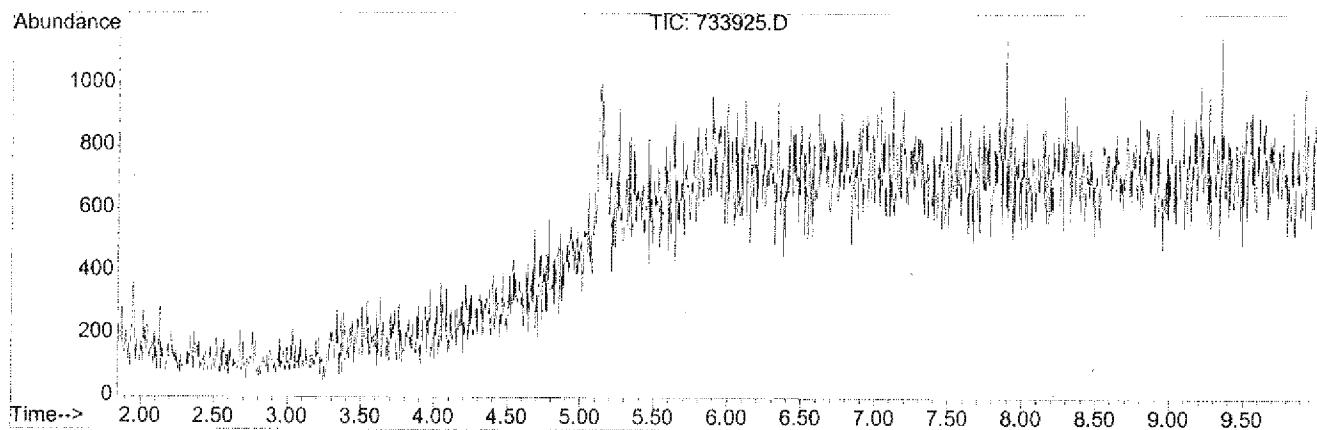
PK#	RT	Library/ID	CAS#	Qual
1	6.69	C:\DATABASE\PMW_TOX2.L		
		Morphin 2AC	@ 000561-27-3	90
		Heroin-M (6-acetyl-morphine)	059833-14-6	60
		Hydromorphone enol 2AC	@ 000000-00-0	41



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733925.D
Operator : KAC
Date Acquired : 29 Jul 2010 15:47
Sample Name : BLANK
Submitted by : KAC
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



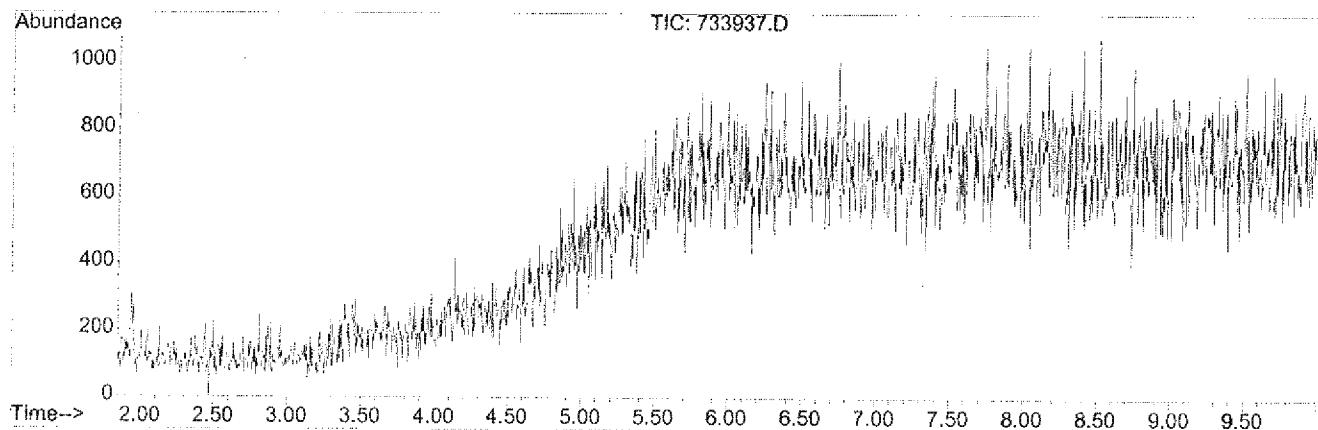
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733937.D
Operator : KAC
Date Acquired : 29 Jul 2010 18:30
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



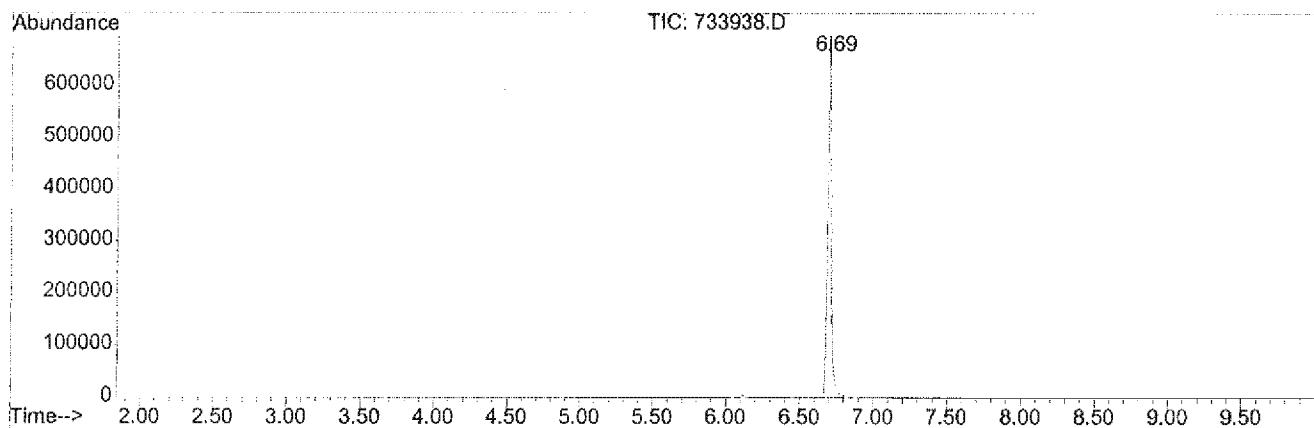
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733938.D
Operator : KAC
Date Acquired : 29 Jul 2010 18:44
Sample Name : HEROIN STD
Submitted by :
Vial Number : 38
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.693	1203287	100.00	100.00

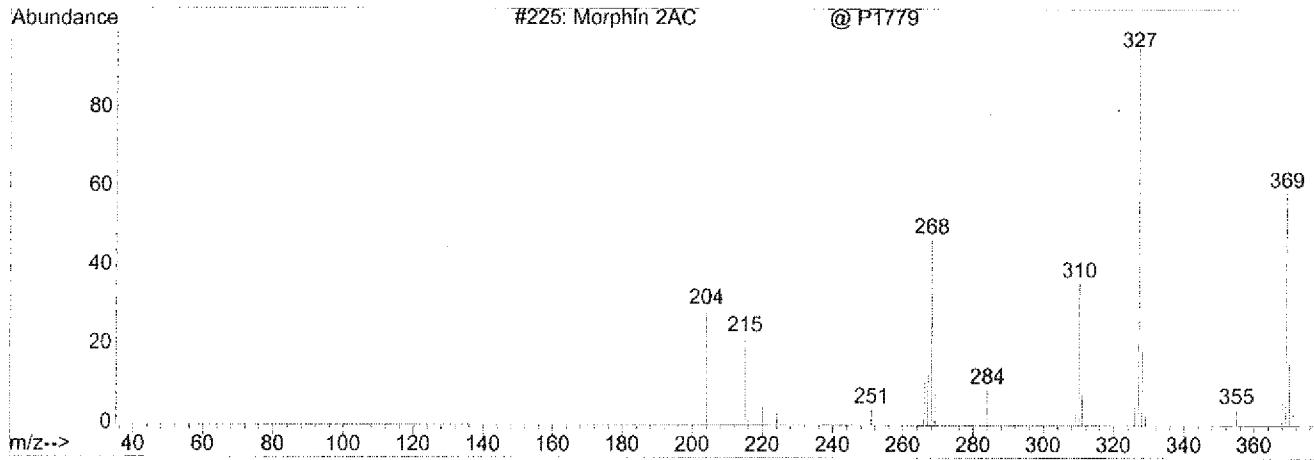
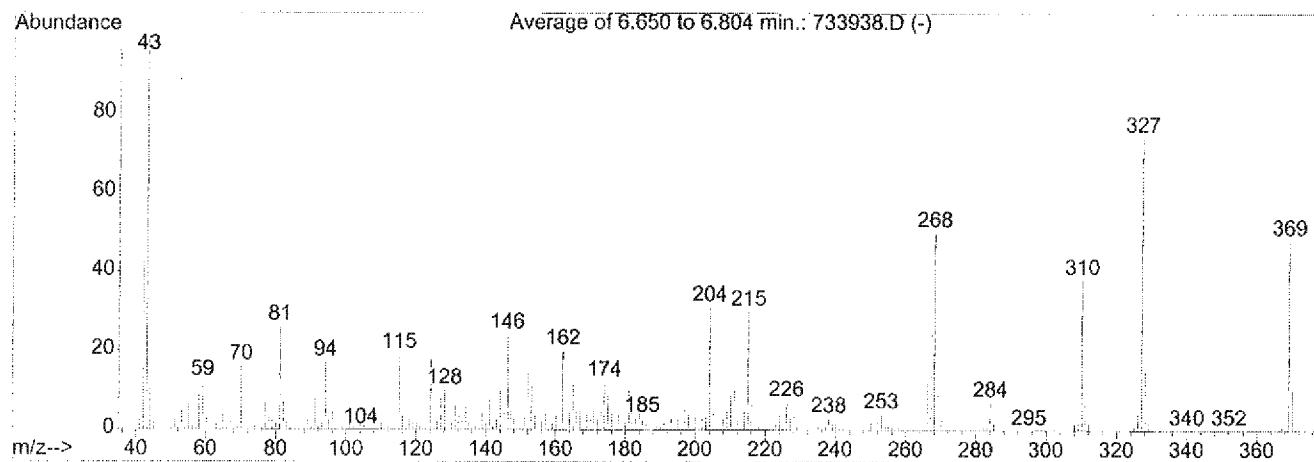
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733938.D
 Operator : KAC
 Date Acquired : 29 Jul 2010 18:44
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 38
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L Minimum Quality: 0

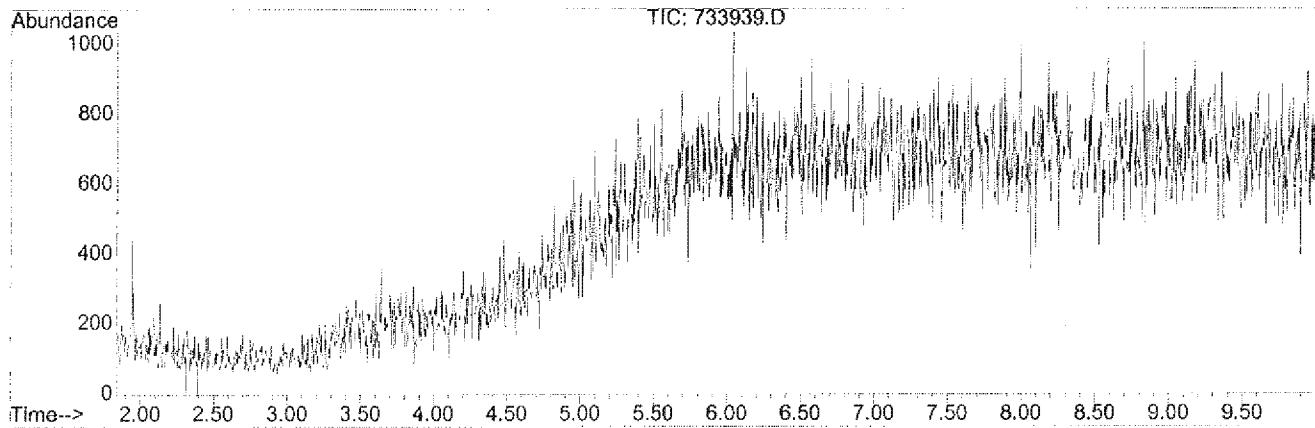
PK#	RT	Library/ID	CAS#	Qual
1	6.69	C:\DATABASE\PMW_TOX2.L		
		Morphin 2AC	@ 000561-27-3	90
		Heroin-M (6-acetyl-morphine)	059833-14-6	78
		Hydromorphone enol 2AC	@ 000000-00-0	43



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_29_10\733939.D
Operator : KAC
Date Acquired : 29 Jul 2010 18:58
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



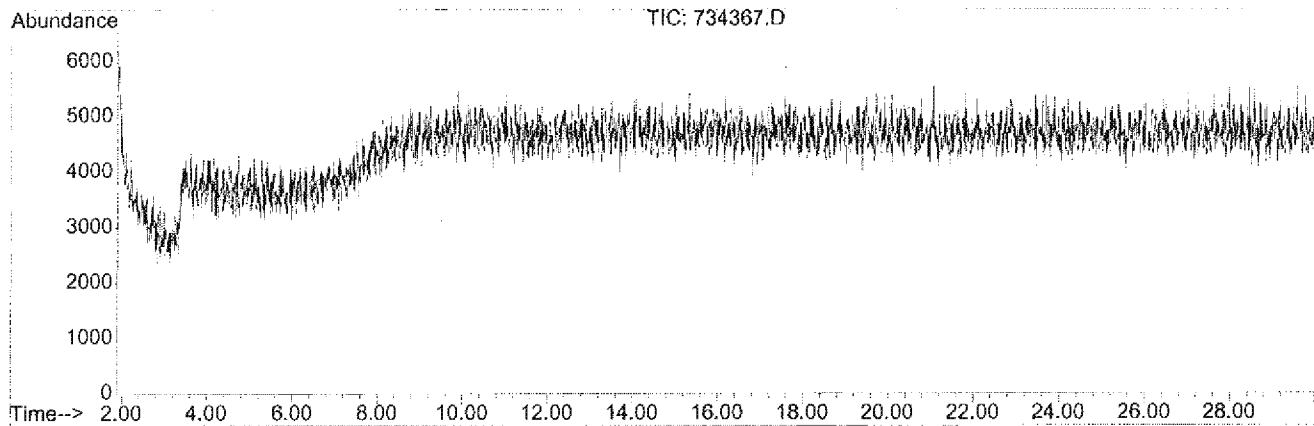
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_30_10\734367.D
Operator : KAC
Date Acquired : 31 Jul 2010 23:20
Sample Name : BLANK
Submitted by : KAC
Vial Number : 2
AcquisitionMeth: SCREEN
Integrator : RTE



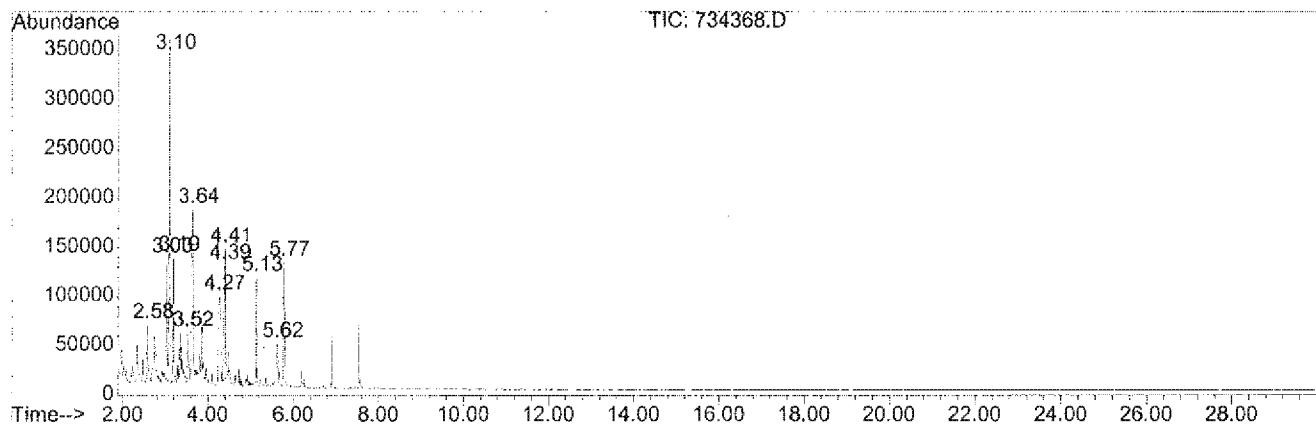
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_30_10\734368.D
Operator : KAC
Date Acquired : 31 Jul 2010 23:54
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 68
AcquisitionMeth: SCREEN
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.579	129973	4.54	25.04
3.027	191558	6.69	36.91
3.099	488065	17.04	94.04
3.189	145640	5.08	28.06
3.518	104732	3.66	20.18
3.644	519007	18.12	100.00
4.266	340338	11.88	65.57
4.385	263088	9.18	50.69
4.409	175331	6.12	33.78
5.133	110550	3.86	21.30
5.618	114982	4.01	22.15
5.773	281624	9.83	54.26

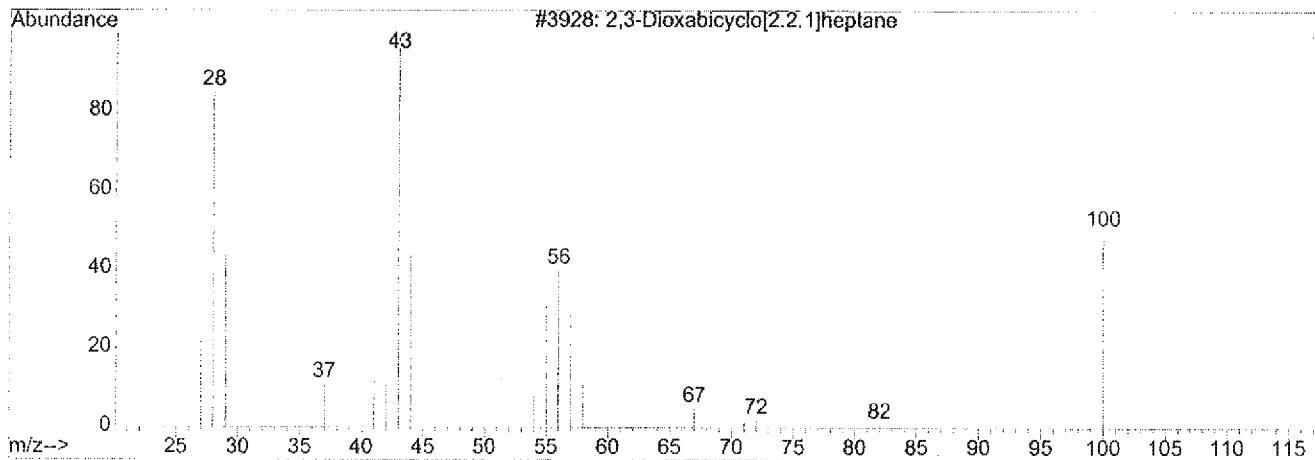
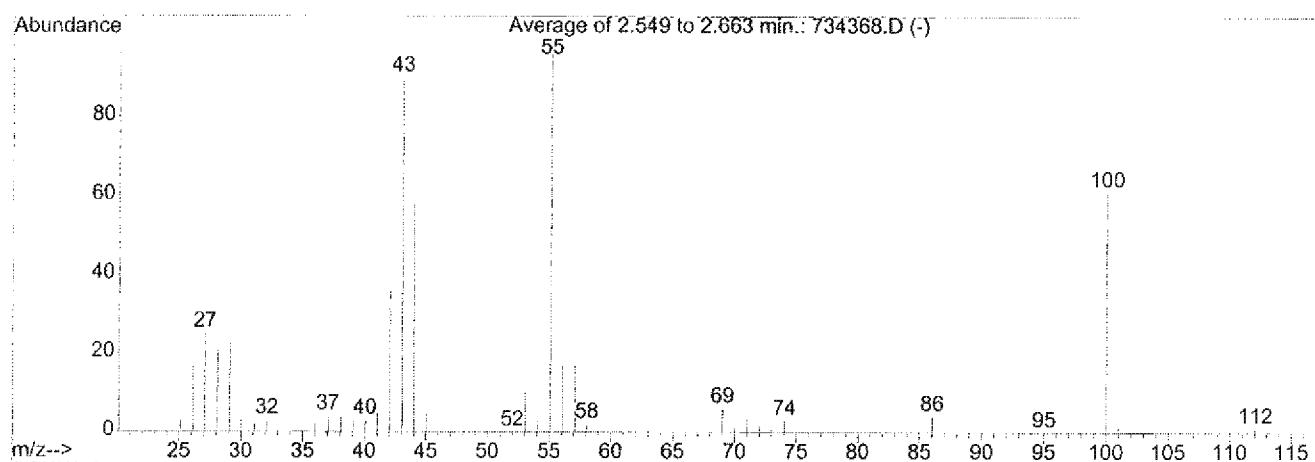
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_30_10\734368.D
Operator : KAC
Date Acquired : 31 Jul 2010 23:54
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 68
AcquisitionMeth: SCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
1	2.58	C:\DATABASE\NIST98.L		
		2,3-Dioxabicyclo[2.2.1]heptane	1000143-34-5	53
		Propanal, dimethylhydrazone	007422-93-7	47
		Oxirane, 2,3-dimethyl-, cis-	001758-33-4	30



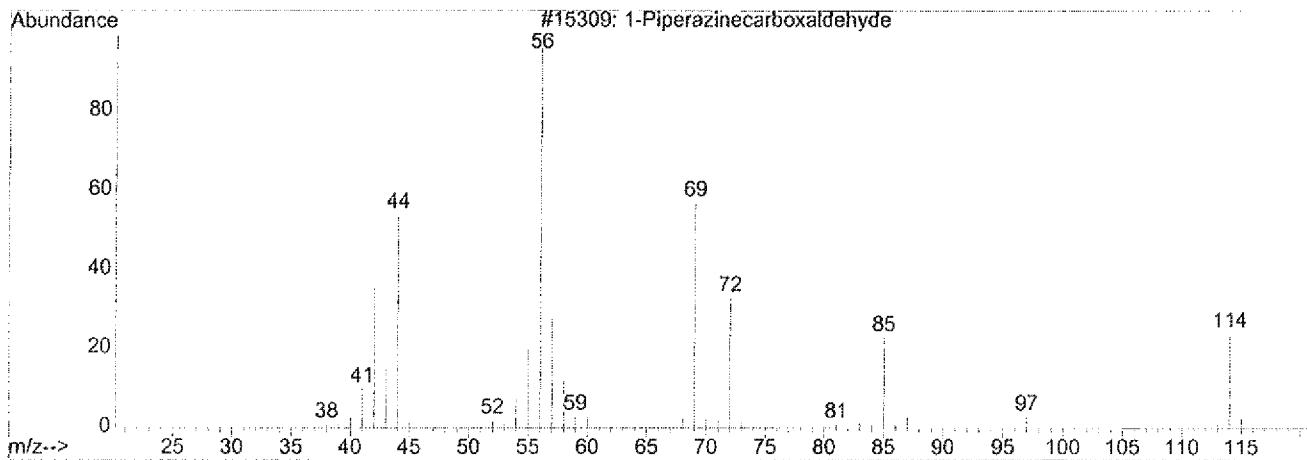
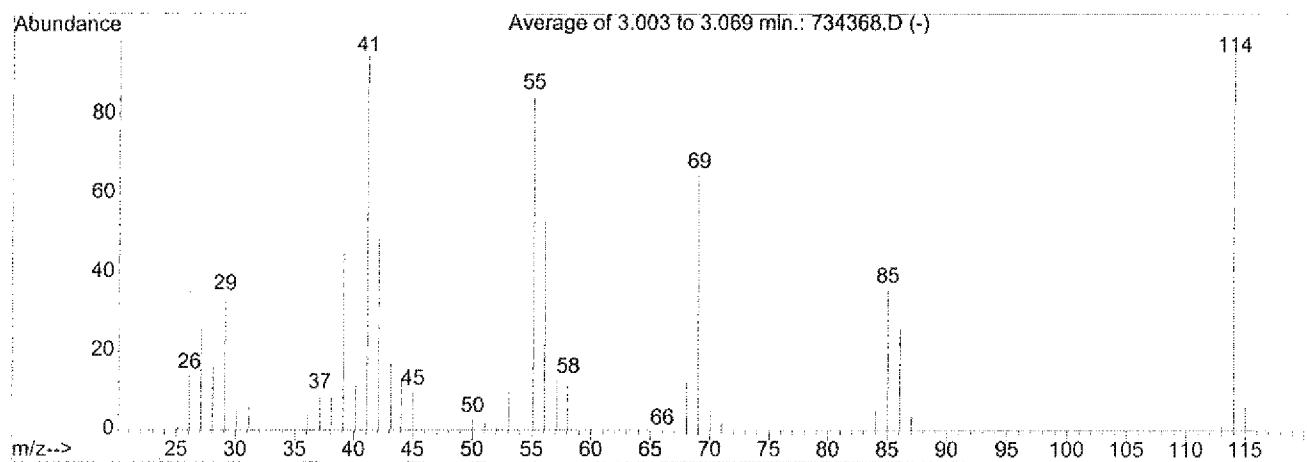
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_30_10\734368.D
Operator : KAC
Date Acquired : 31 Jul 2010 23:54
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 68
AcquisitionMeth: SCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
2	3.03	C:\DATABASE\NIST98.L		
		1-Piperazinecarboxaldehyde	007755-92-2	50
		Sydnone, 3,4-dimethyl-	004007-18-5	43
		2,4 (3H,5H)-Furandione, 3-methyl-	001192-51-4	38



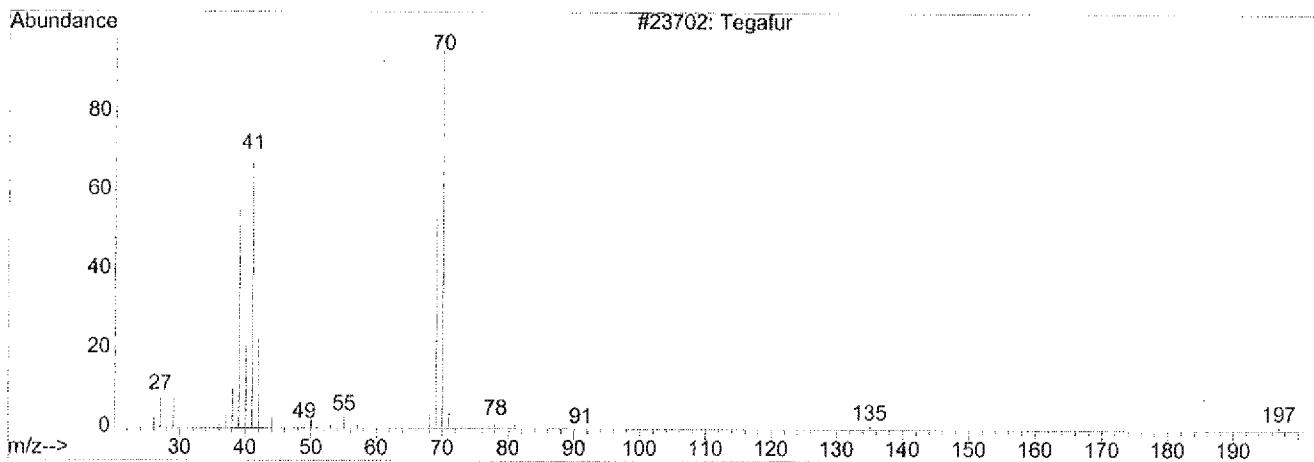
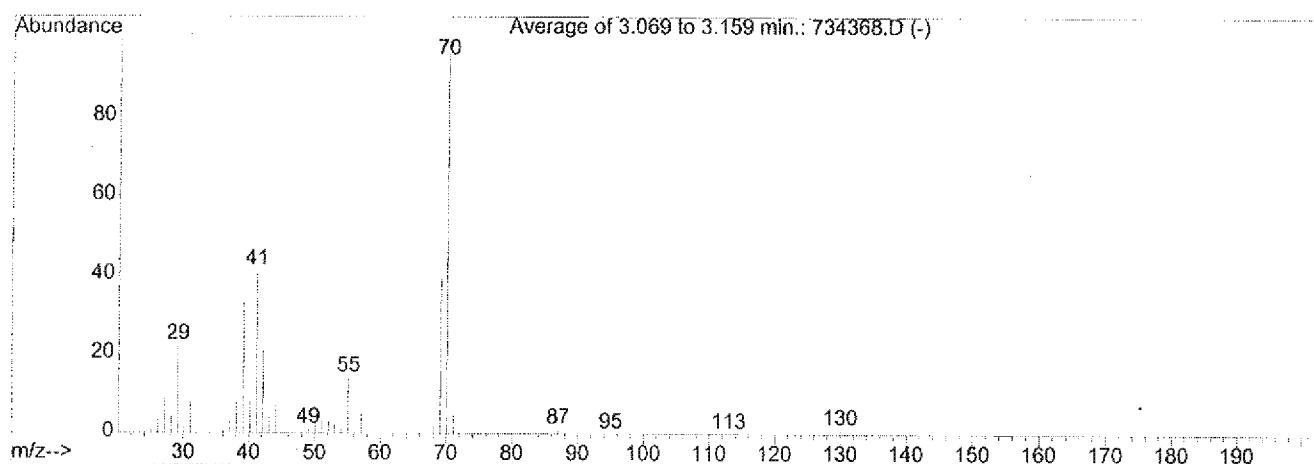
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_30_10\734368.D
Operator : KAC
Date Acquired : 31 Jul 2010 23:54
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 68
AcquisitionMeth: SCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
3	3.10	C:\DATABASE\NIST98.L		
		Tegafur	017902-23-7	45
		Cyclobutane, 2-ethyl-1-methyl-3-pro	061233-72-5	40
		Butane, 2-isocyanato-	015585-98-5	39



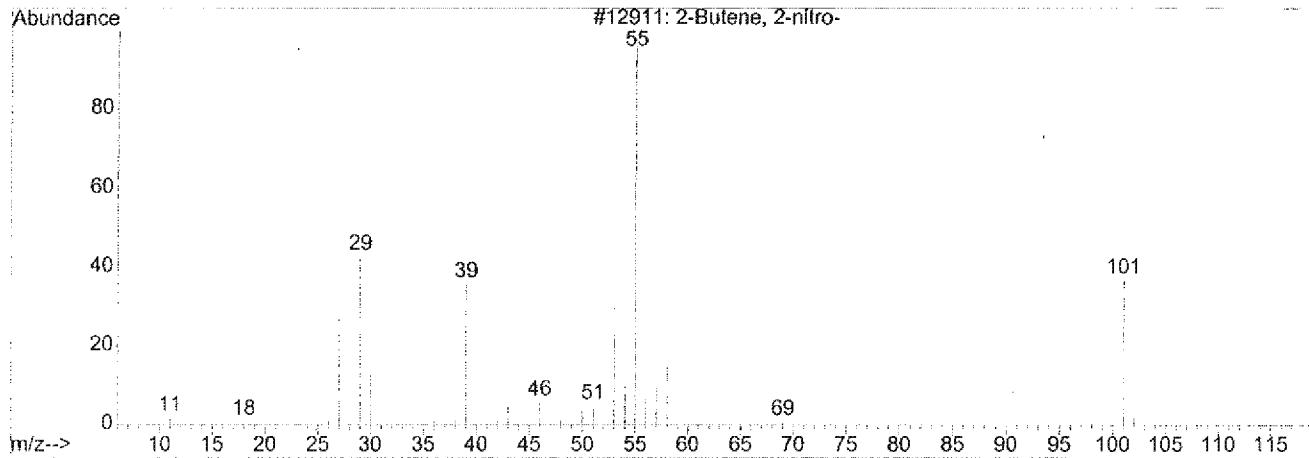
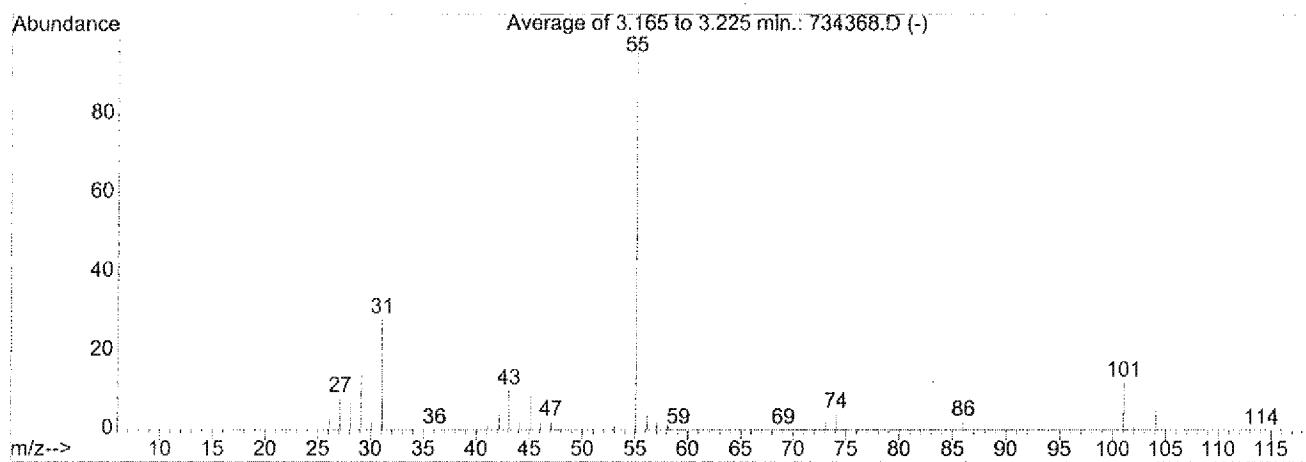
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_30_10\734368.D
Operator : KAC
Date Acquired : 31 Jul 2010 23:54
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 68
AcquisitionMeth: SCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
4	3.19	C:\DATABASE\NIST98.L		
		2-Butene, 2-nitro-	004812-23-1	9
		2-Propyn-1-ol	000107-19-7	4
		1-Heptyn-4-ol	022127-83-9	4



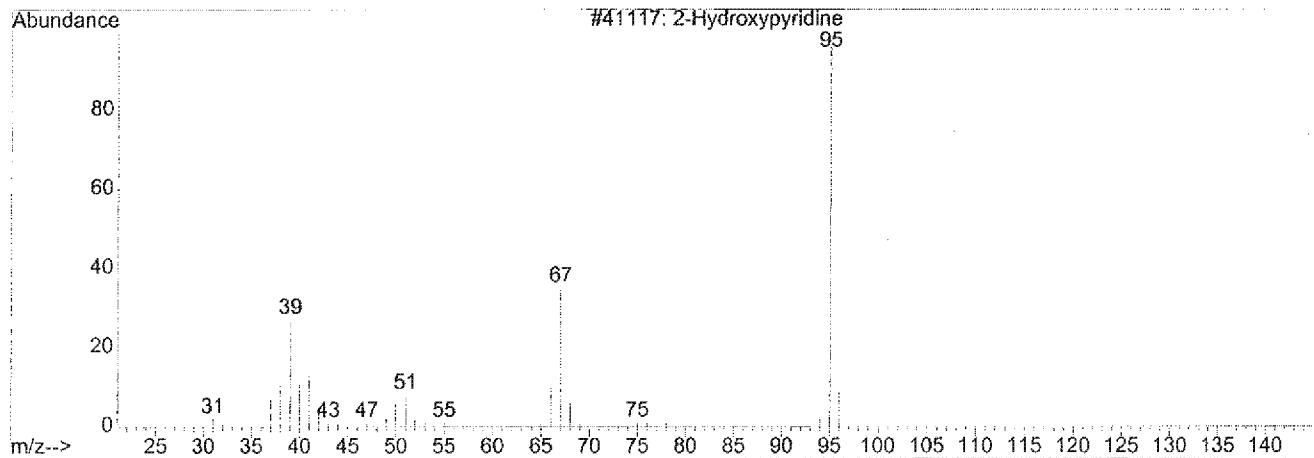
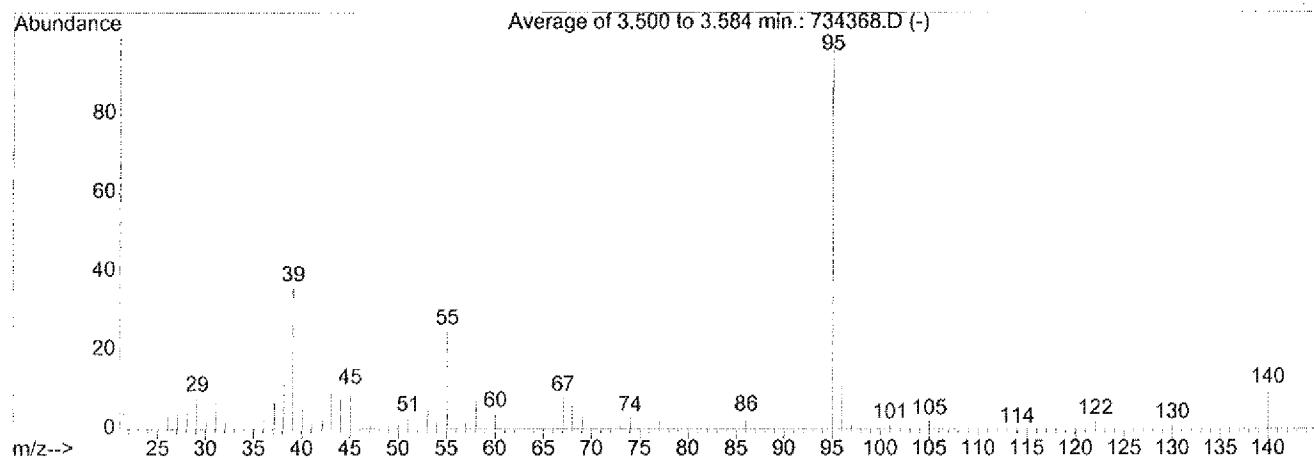
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_30_10\734368.D
Operator : KAC
Date Acquired : 31 Jul 2010 23:54
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 68
AcquisitionMeth: SCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
5	3.52	C:\DATABASE\NIST98.L		
		2-Hydroxypyridine	000142-08-5	53
		2-Hydroxypyridine	000142-08-5	53
		Furancarboxylic acid, methyl ester	001334-76-5	53



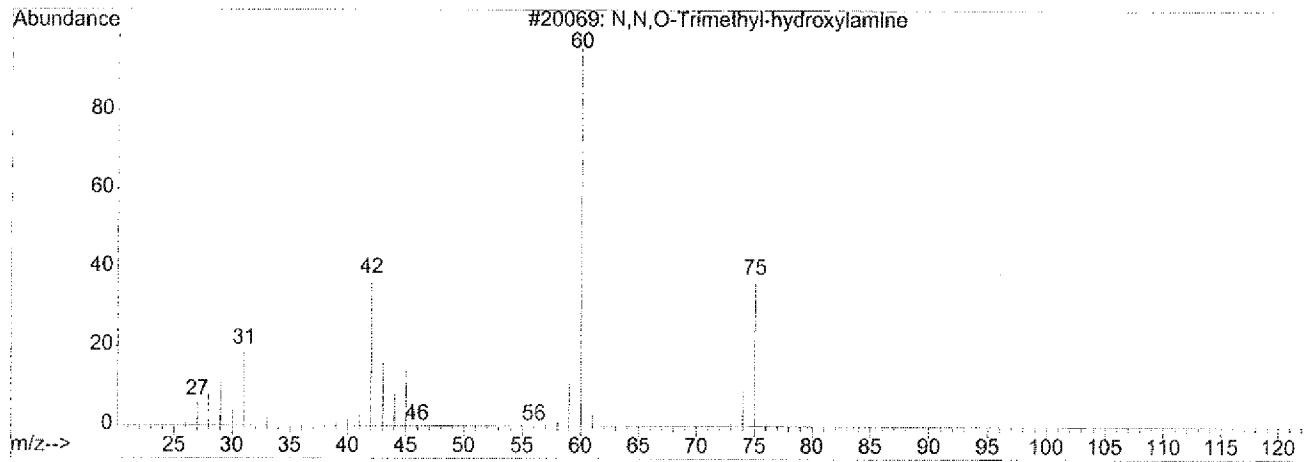
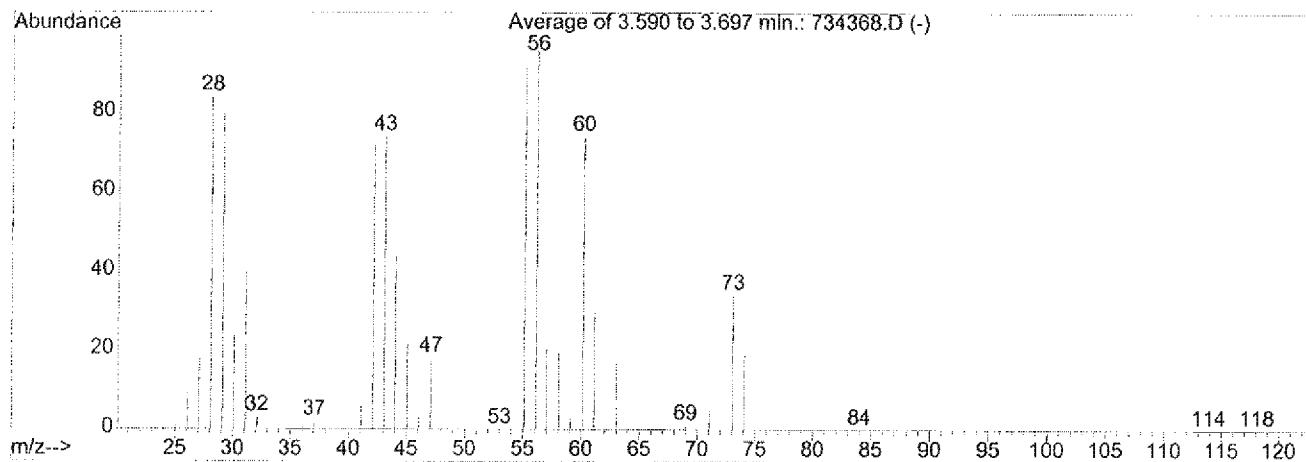
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_30_10\734368.D
Operator : KAC
Date Acquired : 31 Jul 2010 23:54
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 68
AcquisitionMeth: SCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
6	3.64	C:\DATABASE\NIST98.L		
		N,N,O-Trimethyl-hydroxylamine	1000192-50-5	27
		1,3-Propanediol, 2,2-dimethyl-	000126-30-7	14
		Homosterine	000498-19-1	12



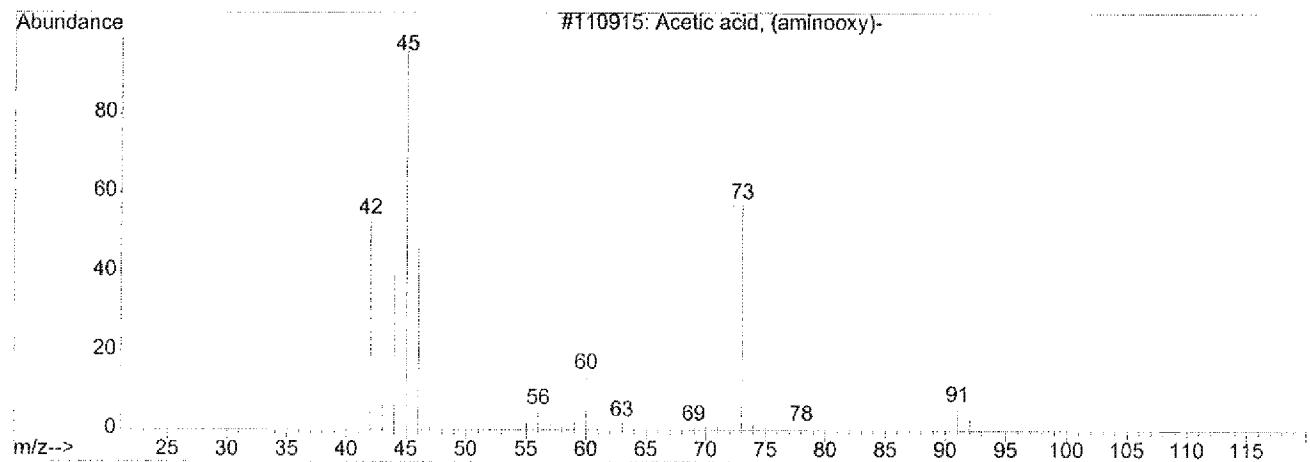
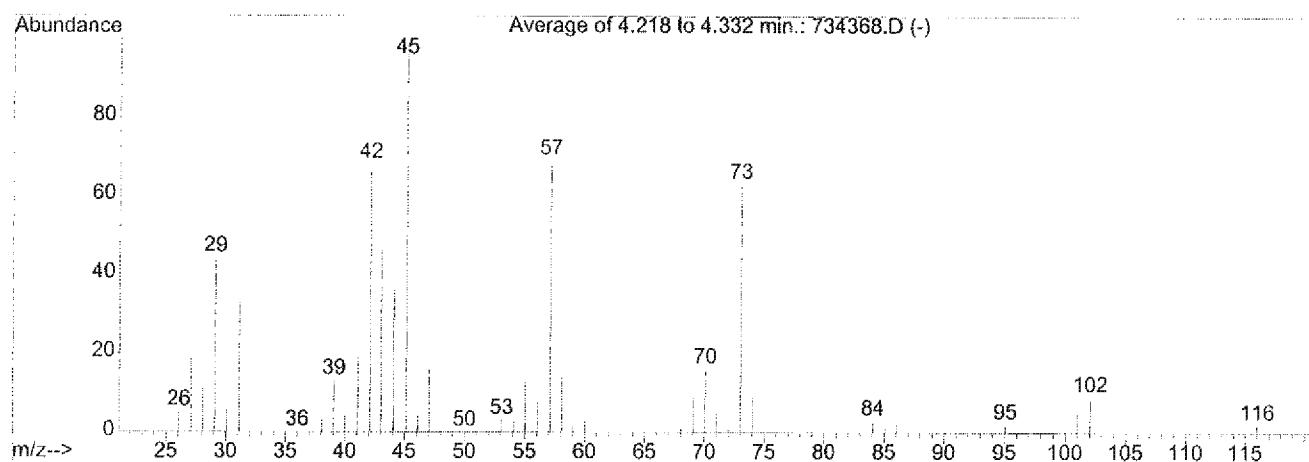
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_30_10\734368.D
Operator : KAC
Date Acquired : 31 Jul 2010 23:54
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 68
AcquisitionMeth: SCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
7	4.27	C:\DATABASE\NIST98.L		
		Acetic acid, (aminoxy)-	000645-88-5	64
		Formic acid, 1-methylethyl ester	000625-55-8	53
		1-Butanol, 4-methoxy-	000111-32-0	47



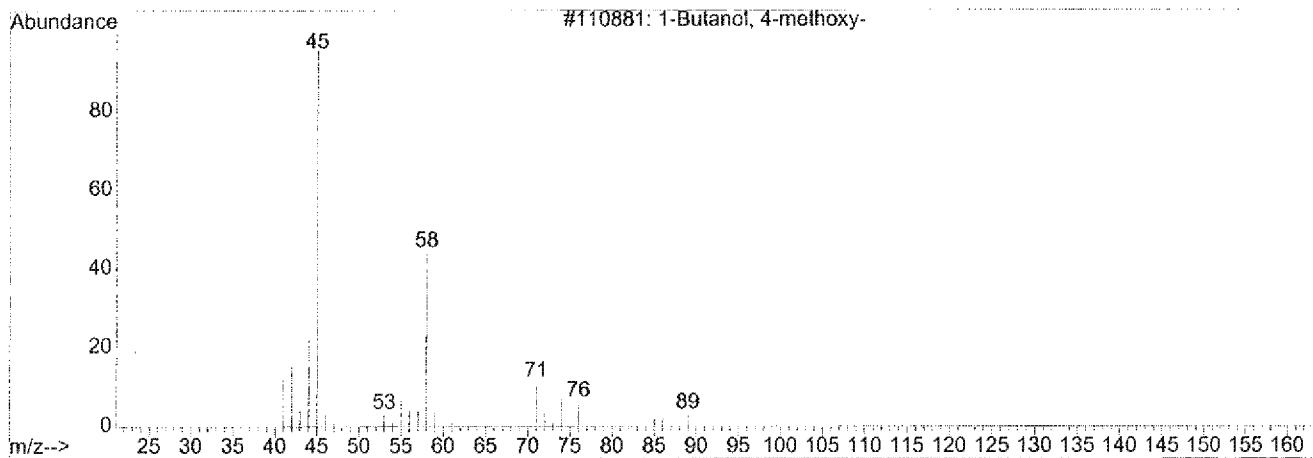
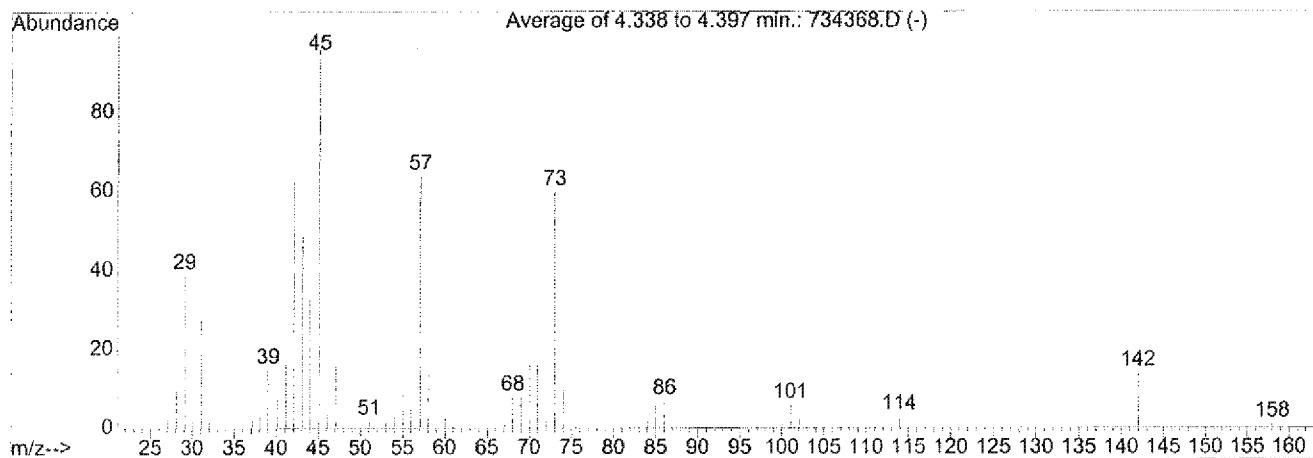
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_30_10\734368.D
Operator : KAC
Date Acquired : 31 Jul 2010 23:54
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 68
AcquisitionMeth: SCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
8	4.39	C:\DATABASE\NIST98.L		
		1-Butanol, 4-methoxy-	000111-32-0	53
		Formic acid, 1-methylethyl ester	000625-55-8	50
		Boronic acid, ethyl-, diethyl ester	053907-92-9	47



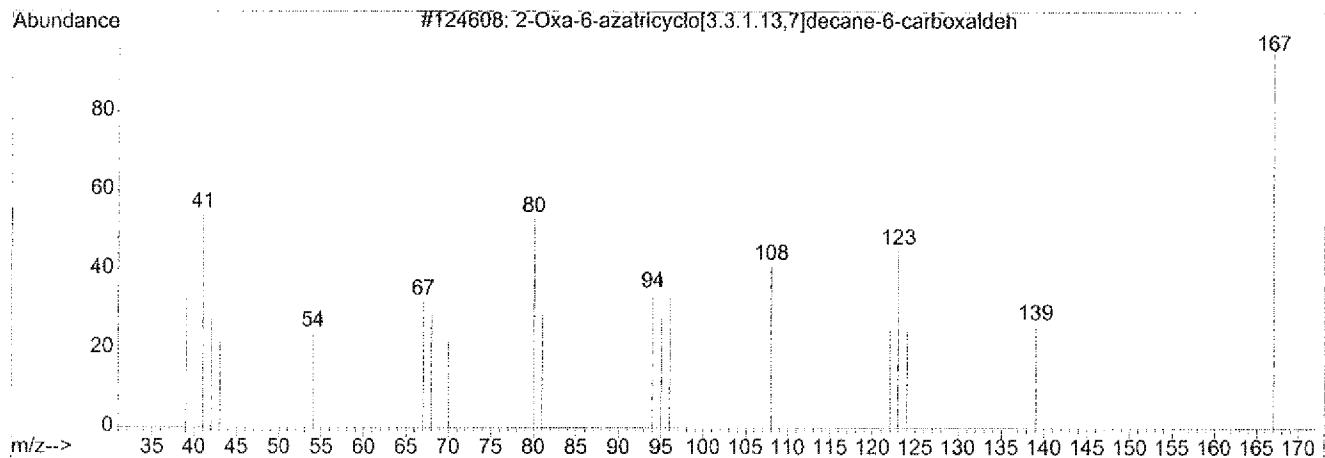
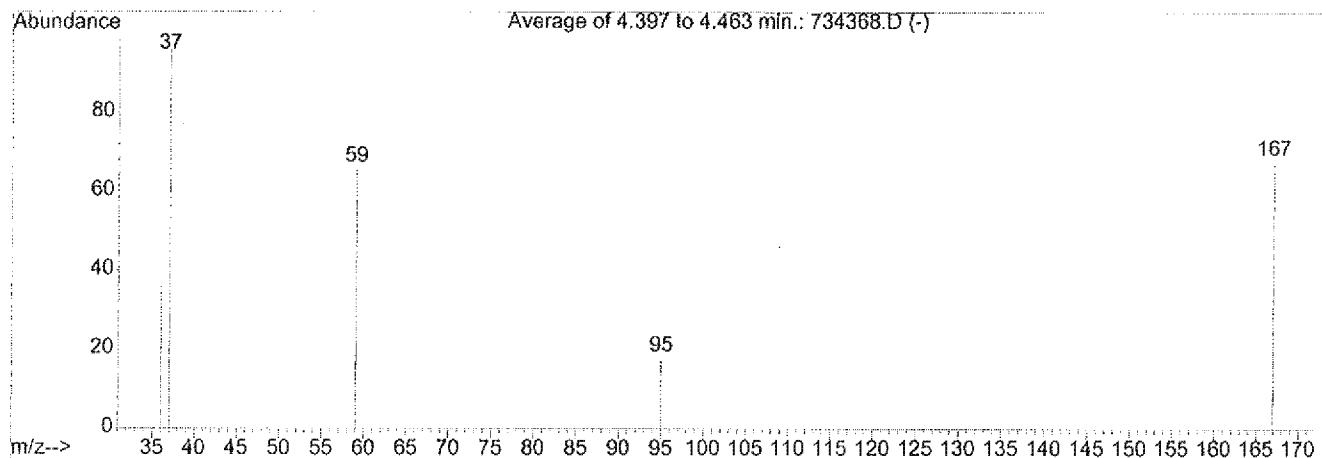
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_30_10\734368.D
Operator : KAC
Date Acquired : 31 Jul 2010 23:54
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 68
AcquisitionMeth: SCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
9	4.41	C:\DATABASE\NIST98.L		
		2-Oxa-6-azatricyclo[3.3.1.13,7]deca	050267-24-8	5
		Thioguanine	000154-42-7	2
		5-Fluoro-2-methyl-benzothiazole	000399-75-7	2



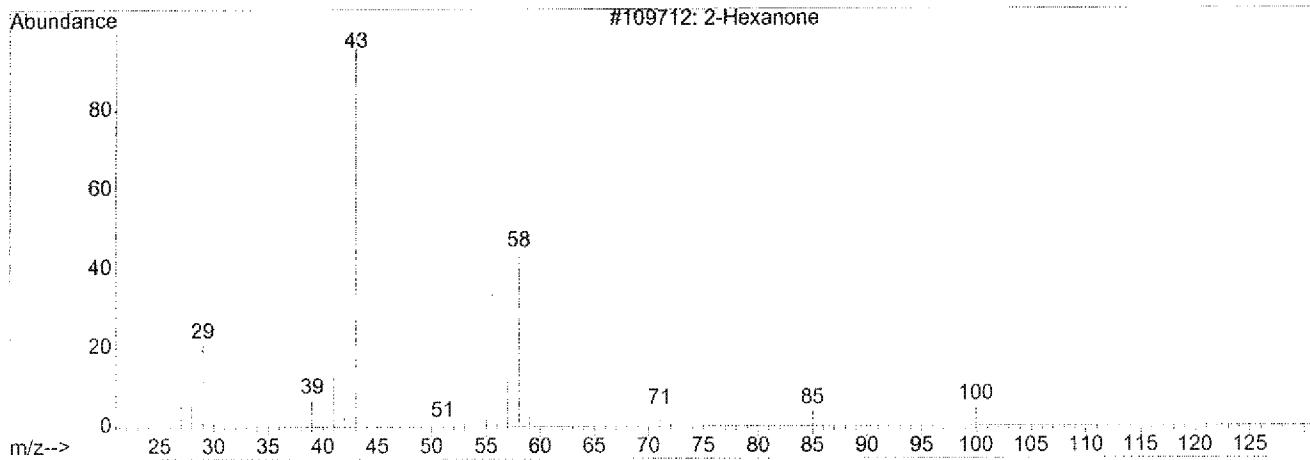
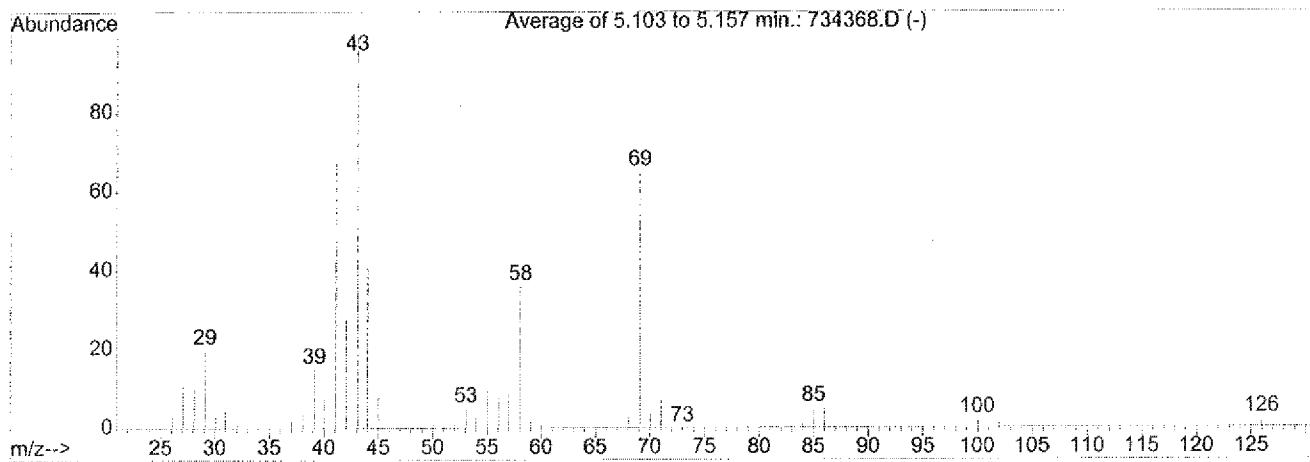
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_30_10\734368.D
Operator : KAC
Date Acquired : 31 Jul 2010 23:54
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 68
AcquisitionMeth: SCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
10	5.13	C:\DATABASE\NIST98.L		
		2-Hexanone	000591-78-6	35
		3-Oxetanol, 2,2,3-trimethyl-	025910-96-7	17
		Pentanal, 2-methyl-	000123-15-9	16



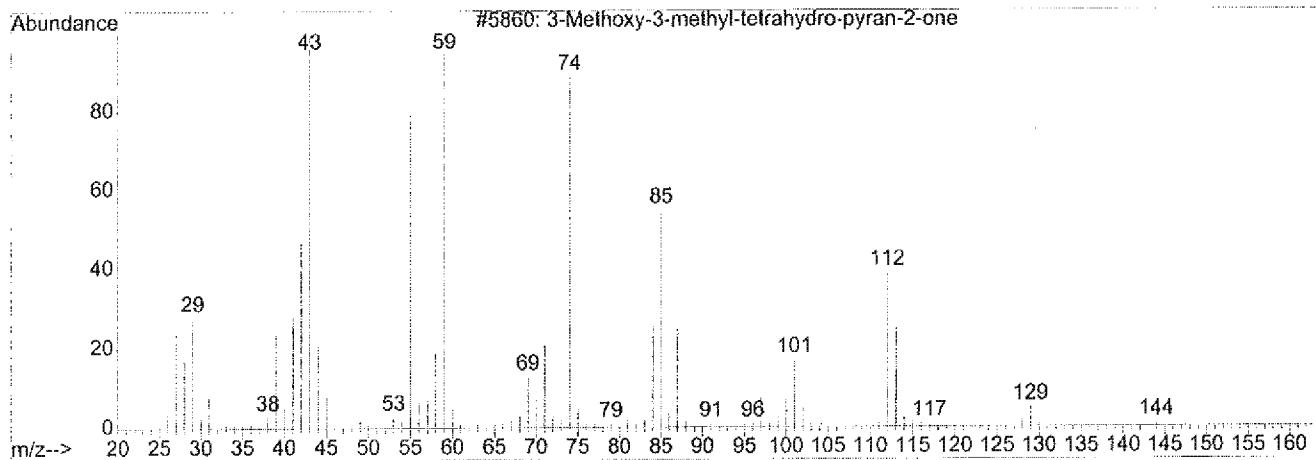
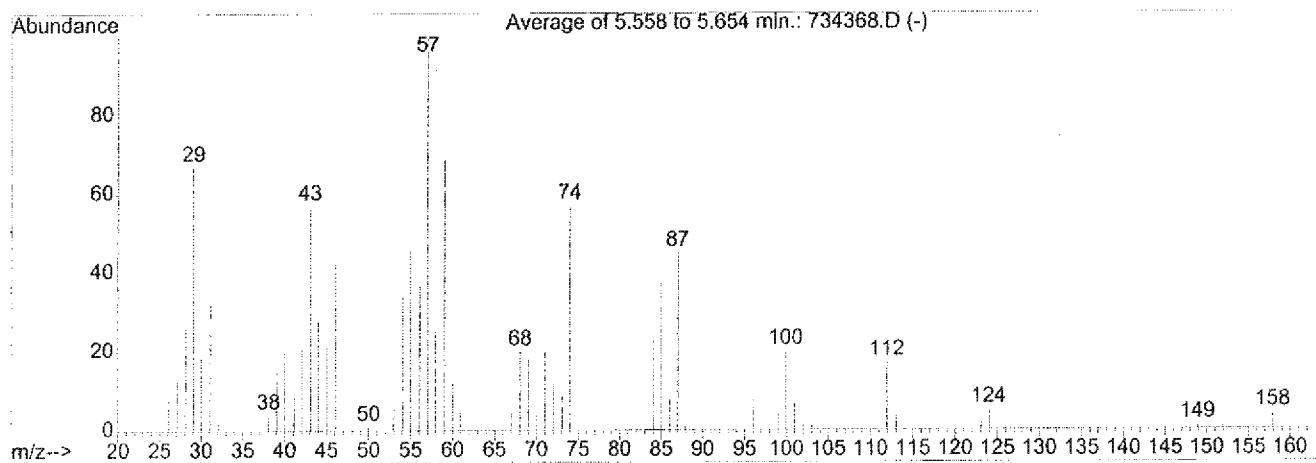
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_30_10\734368.D
 Operator : KAC
 Date Acquired : 31 Jul 2010 23:54
 Sample Name : XXXXXXXXXX
 Submitted by : KAC
 Vial Number : 68
 AcquisitionMeth: SCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
11	5.62	C:\DATABASE\NIST98.L		
		3-Methoxy-3-methyl-tetrahydro-pyran	1000185-31-8	32
		2,2-Dimethylbutanedioic acid	000597-43-3	27
		2-Pentanol, 5-methoxy-2-methyl-	055724-04-4	22



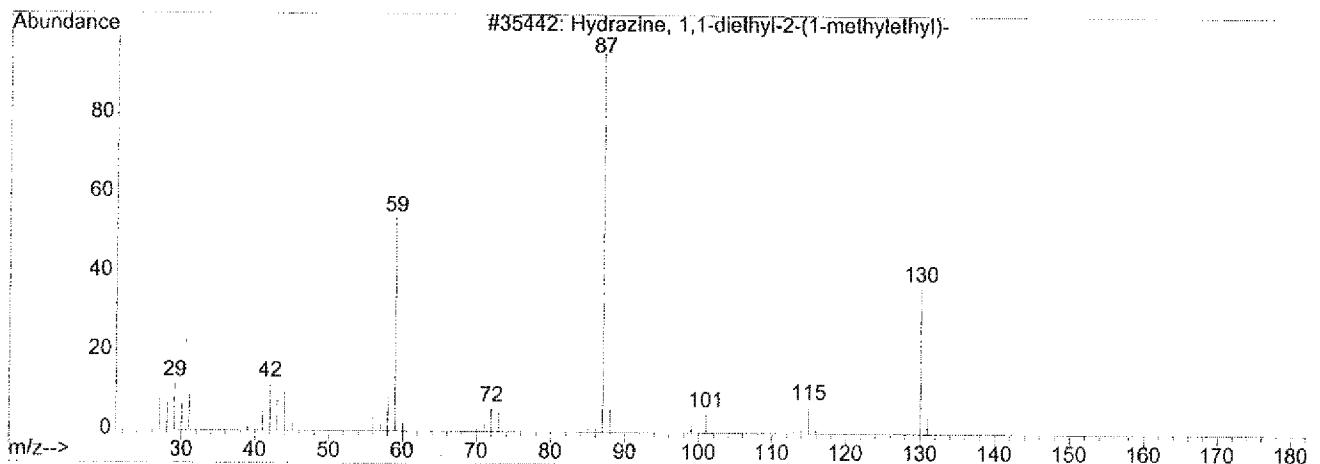
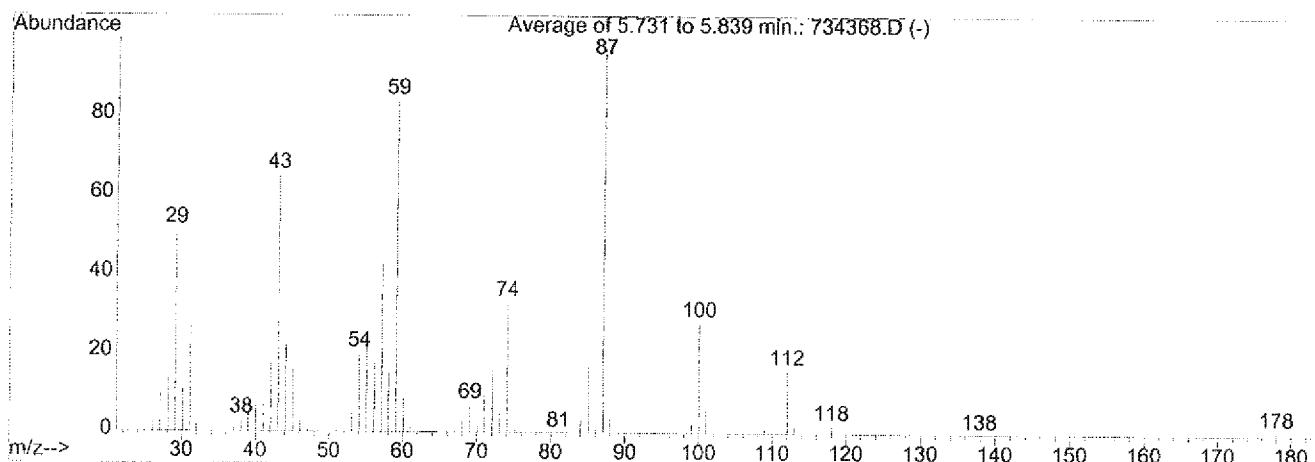
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_30_10\734368.D
Operator : KAC
Date Acquired : 31 Jul 2010 23:54
Sample Name : XXXXXXXXXX
Submitted by : KAC
Vial Number : 68
AcquisitionMeth: SCREEN
Integrator : RTE

Search Libraries: C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L Minimum Quality: 0

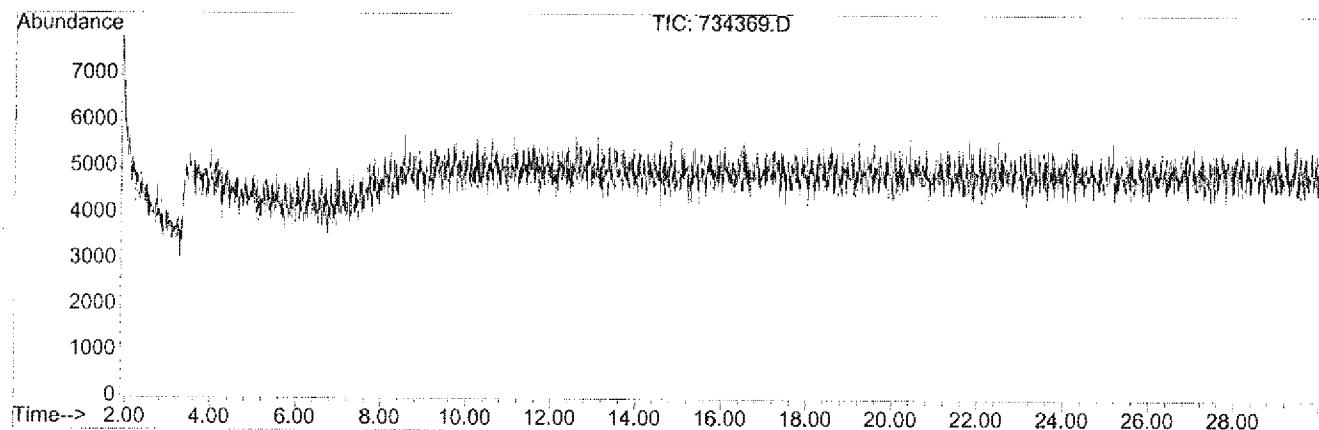
PK#	RT	Library/ID	CAS#	Qual
12	5.77	C:\DATABASE\NIST98.L		
		Hydrazine, 1,1-diethyl-2-(1-methyle	067398-39-4	47
		1,3-Dioxolane, 2-ethyl-4-methyl-	004359-46-0	47
		Monomethyl malonate	016695-14-0	38



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07_30_10\734369.D
Operator : KAC
Date Acquired : 1 Aug 2010 00:28
Sample Name : BLANK
Submitted by : KAC
Vial Number : 2
AcquisitionMeth: SCREEN
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS